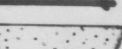
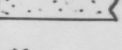


- GENERAL NOTES:**
- 1.) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.
  - 2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HEREON

**LEGEND:**

TOP OF CURB ELEVATION =  $TC = 43.66$   
 CURB FLOWLINE ELEVATION =  $FL = 43.17$   
 EXISTING SPOT ELEVATION =  $SE = 42.8$   
 EXISTING CONTOUR ELEVATION =  $CE = 44.4$   
 PROPOSED SPOT ELEVATION =  $PS = 44.30$   
 PROPOSED CONTOUR ELEVATION =  $PC = 44.00$   
 PROPOSED OR EXISTING CONCRETE SURFACE =   
 EXISTING FENCE LINE = 

**LEGAL DESCRIPTION:**

LOTS NUMBERED ONE (1), TWO (2), AND THREE (3), OF THE NURSERY ADDITION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO. (D1-79).

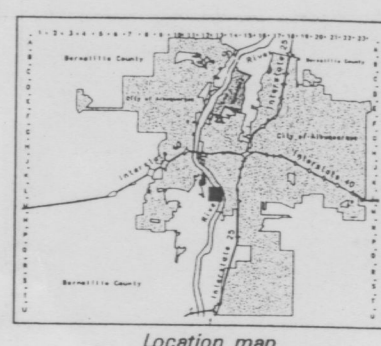
**BENCH MARK REFERENCE:**

ACS STATION "11-L13", LOCATED IN THE NORTHEAST QUADRANT OF BRIDGE BLVD. S.W. AND YOUNG AVENUE S.W.; M.S.L.D. ELEVATION = 4943.429, (ALSO BEING PROJECT SITE T.B.M.).

#### DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE NORTH SIDE OF BRIDGE BLVD. S.W. BETWEEN YOUNG AVENUE S.W. AND ETHEL AVENUE S.W., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (ZONE ATLAS "L-13-Z").

THE SUBJECT SITE, 1.) AS SHOWN ON P.E.M.A. PANEL 333 OF 825 (FLOODWAY INSURANCE RATE MAP DATE SEPTEMBER 20, 1996), IS LOCATED IN A ZONE "AH" FLOOD AREA, WITH A DETERMINED FLOOD ELEVATION OF 4944.0, 2.) IS PRESENTLY A PARTIALLY DEVELOPED COMMERCIAL SITE THAT IS TO HAVE A PROPOSED PAVED PARKING AREA AS THIS PHASE "I" AND A POSSIBLE FUTURE PROPOSED BUILDING AS SHOWN ON THE PLAN HEREON AS PHASE "II" WHICH WILL BE NO ADDITIONAL IMPERVIOUS AREA TO SAID SITE AT SUCH TIME, 3.) DOES NOT CONTRIBUTE TO THE OFFSITE FLOWS OF ADJACENT PROPERTIES, 4.) DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES, 5.) IS TO DISCHARGE THE PROPOSED DEVELOPED FLOWS THROUGH THE EXISTING DRIVEPAD WHICH WILL THEN FLOW TO THE EXISTING STORM INLET ON BRIDGE BLVD. S.W. ADJACENT TO THE SUBJECT SITE AS SHOWN ON THE PLAN HEREON.



#### DRAINAGE CALCULATIONS:

PER SECTION 22.2 HYDROLOGY DEVELOPMENT PROCESS MANUAL, VOLUME 2., DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, NEW MEXICO, DATED JANUARY 1993, AND PER THE BERNALILLO COUNTY STORM DRAINAGE ORDINANCE.

SITE AREA: 0.3 ACRES

PRECIPITATION ZONE: ONE (1) TABLE A-1

PEAK INTENSITY: IN./HR. AT  $T_c$  = TWELVE (12) MINUTES, 100-YR. = 4.70, TABLE A-10

EXISTING CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.29	X 2.87	= 0.83
D	0.06	X 4.37	= 0.26

"Q" = 1.09 CFS

PROPOSED DEVELOPED CONDITIONS:

TREATMENT	AREA/ACRES	FACTOR	CFS
C	0.08	X 2.87	= 0.23
D	0.27	X 4.37	= 1.18

"Q" = 1.41 CFS \*\*\* INCREASE = 0.32 CFS

TABLE A-8. PEAK DISCHARGE (cfs/acre)				
Zone	Treatment			
	A	B	C	D
1	1.29 [0.00, 0.24]	2.03 [0.00, 0.76]	2.87 [0.47, 1.49]	4.37 [1.66, 2.89]
2	1.56 [0.00, 0.38]	2.28 [0.00, 0.95]	3.14 [0.60, 1.71]	4.70 [1.86, 3.14]
3	1.87 [0.00, 0.58]	2.60 [0.21, 1.19]	3.45 [0.78, 2.00]	5.02 [2.04, 3.39]
4	2.20 [0.06, 0.87]	3.92 [0.36, 1.45]	5.72 [1.00, 2.26]	8.25 [2.17, 3.57]

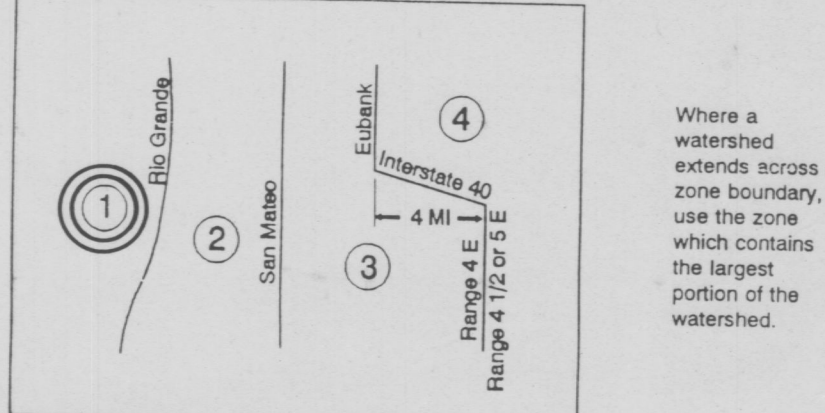
TABLE A-10. PEAK INTENSITY (in/hr at $T_c = 0.2$ hour)	
Zone	Intensity
1	4.70 [1.86, 3.14]
2	5.05 [2.04, 3.41]
3	5.39 [2.21, 3.65]
4	5.61 [2.04, 3.83]

#### A1 PRECIPITATION ZONES

Bernalillo County's four precipitation zones are indicated in TABLE A-1 and on FIGURE A-1.

TABLE A-1. PRECIPITATION ZONES	
Zone	Location
1	West of the Rio Grande
2	Between the Rio Grande and San Mateo
3	Between San Mateo and Eubank, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East, South of Interstate 40
4	East of Eubank, North of Interstate 40; and East of the East boundary of Range 4 East, South of Interstate 40

FIGURE A-1



DPH SECTION 22.2 - HYDROLOGY  
January, 1993 Page A-4

TABLE A-4. LAND TREATMENTS	
Treatment	Land Condition
A	Soil uncompacted by human activity with 0 to 10 percent slopes. Native grasses, weeds and shrubs in typical densities with minimal disturbance to grading, groundcover and infiltration capacity. Croplands. Unlined arroyos.
B	Irrigated lawns, parks and golf courses with 0 to 10 percent slopes. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes greater than 10 percent and less than 20 percent.
C	Soil compacted by human activity. Minimal vegetation. Unpaved parking, roads, trails. Most vacant lots. Gravel or rock on plastic (desert landscaping). Irrigated lawns and parks with slopes greater than 10 percent. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes at 20 percent or greater. Native grass, weed and shrub areas with clay or clay loam soils and other soils of very low permeability as classified by SCS Hydrologic Soil Group D.
D	Impervious areas, pavement and roofs.

Most watersheds contain a mix of land treatments. To determine proportional treatments, measure respective subareas. In lieu of specific measurement for treatment D, the areal percentages in TABLE A-5 may be employed.

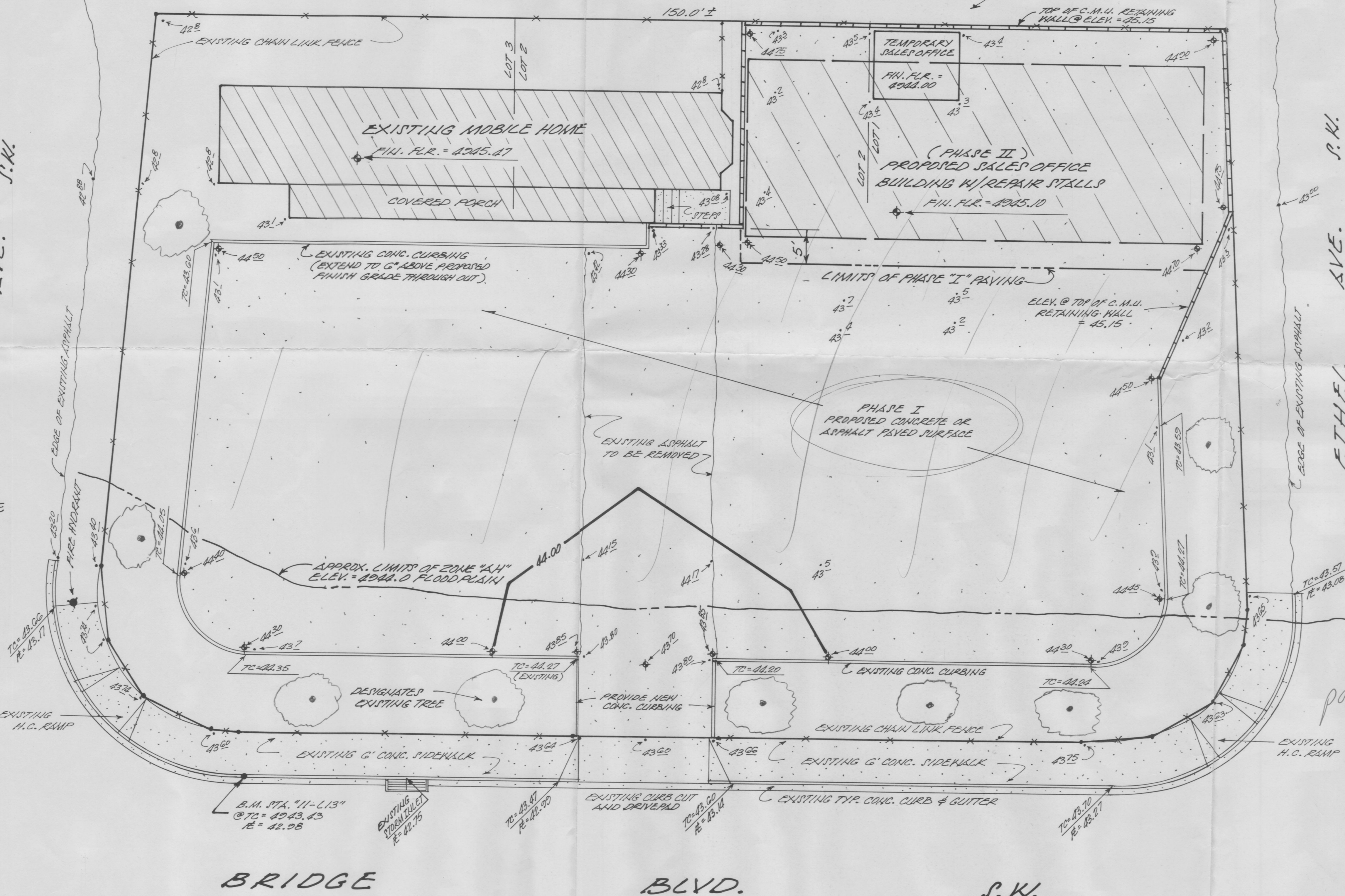
#### CONSTRUCTION NOTES:

- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 765-1234 FOR LOCATION OF EXISTING UTILITIES.
- 2.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS: SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
- 3.) 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.
- 4.) ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

#### EROSION CONTROL MEASURES:

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

- 1.) 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 FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTIES.
- 2.) 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 PUBLIC STREETS.
- 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE AND DEPOSITED THERE.



#### ENGINEER'S STATEMENT:

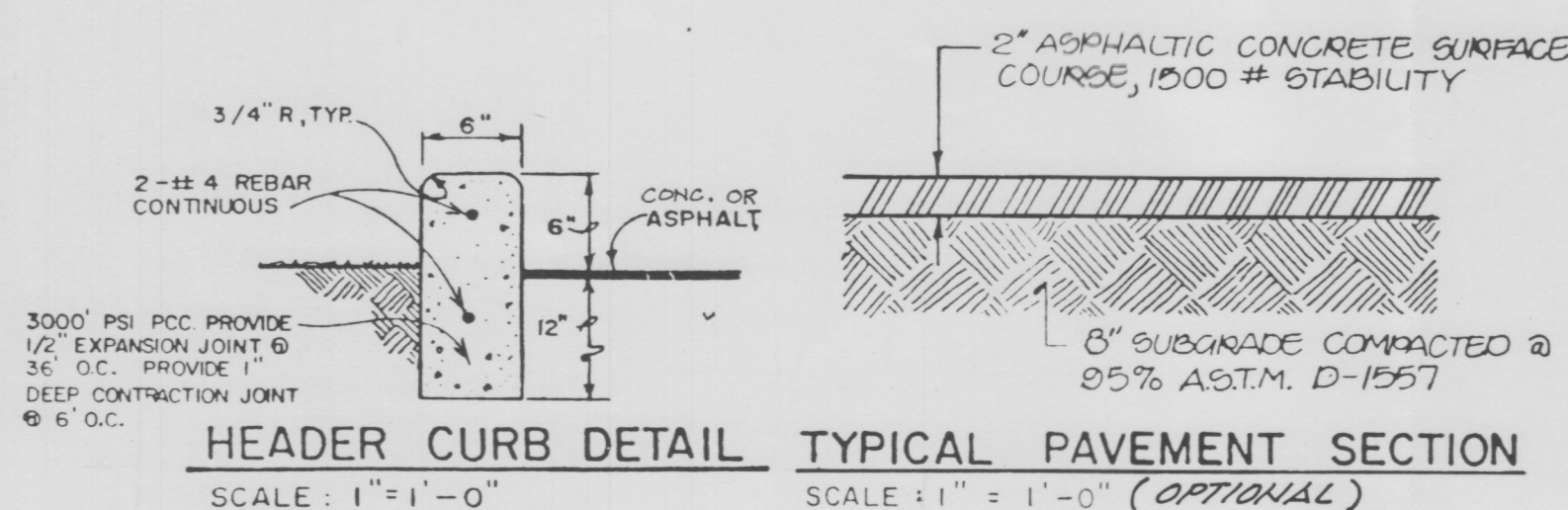
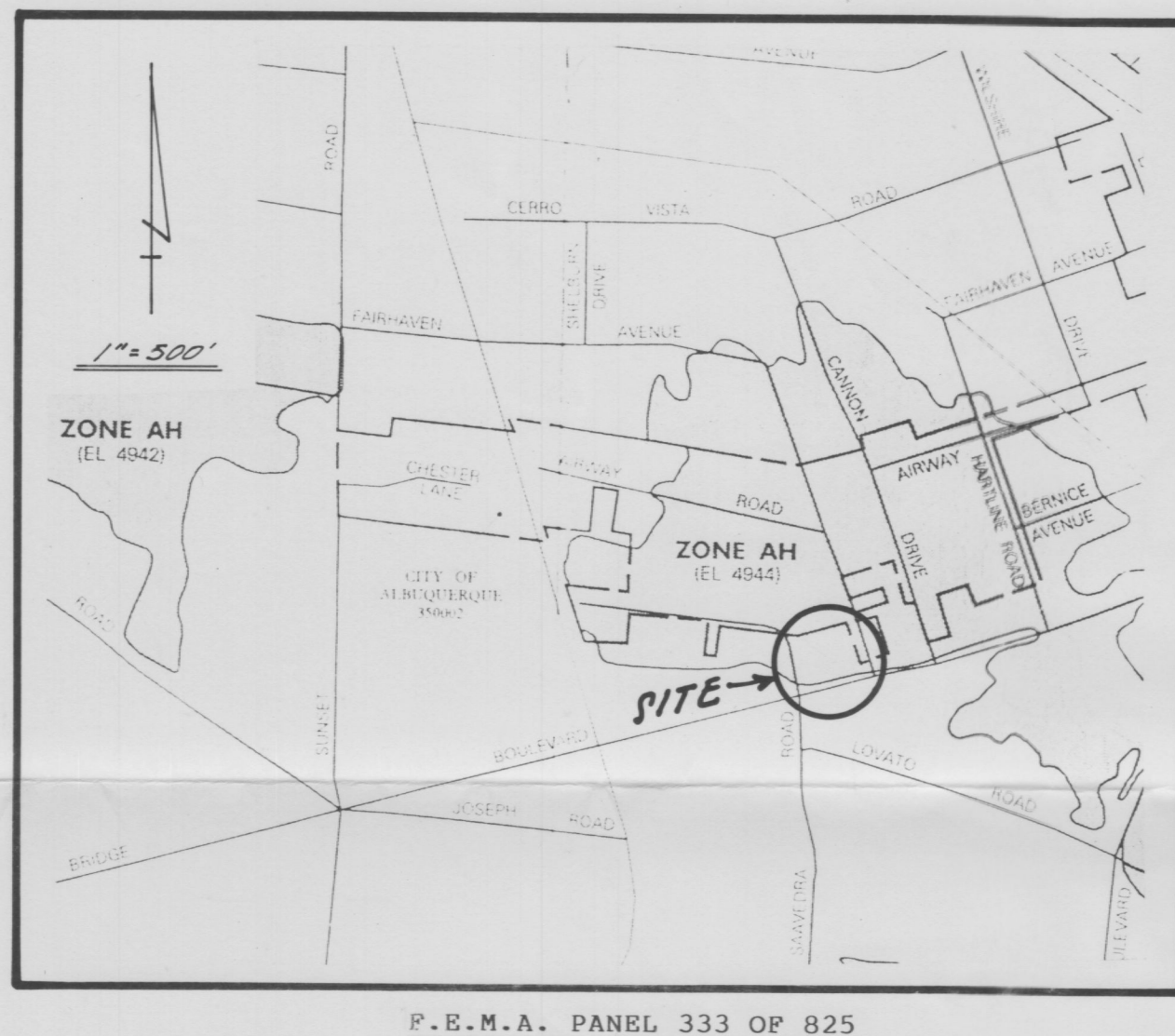
I, LEVI J. VALDEZ, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 5693, DO HEREBY STATE THAT I HAVE PERSONALLY MADE AN ONSITE FIELD INSPECTION OF THE SUBJECT PROPERTY, AND FOUND THAT NO RECENT GRUBBING, GRADING, FILLING OR CUTTING HAD TAKEN PLACE ON SAID SUBJECT SITE PRIOR TO THE PREPARATION OF THE TOPOGRAPHY SURVEY AND MAP AS SHOWN ON THE PLAN HEREON.



ENGINEER'S SEAL

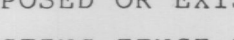

A PROPOSED PAVING PLAN  
FOR  
RIOS AUTO SALES  
(1251 BRIDGE BLVD. S.W.)  
BERNALILLO COUNTY, NEW MEXICO  
SEPTEMBER, 1998





- GENERAL NOTES:
- 1.) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.
  - 2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HEREON

L E G E N D :

TOP OF CURB ELEVATION =  $TC = 43.66$   
 CURB FLOWLINE ELEVATION =  $LC = 43.17$   
 EXISTING SPOT ELEVATION =  $\blacktriangle 42.8$   
 EXISTING CONTOUR ELEVATION =  $44$   
 PROPOSED SPOT ELEVATION =  $\blacktriangle 44.30$   
 PROPOSED CONTOUR ELEVATION =  $\bullet \bullet \bullet 44.00$   
 PROPOSED OR EXISTING CONCRETE SURFACE =   
 EXISTING FENCE LINE = 

LEGAL DESCRIPTION:

LOTS NUMBERED ONE (1), TWO (2), AND THREE (3), OF THE NURSERY ADDITION,  
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO. (D1-79).

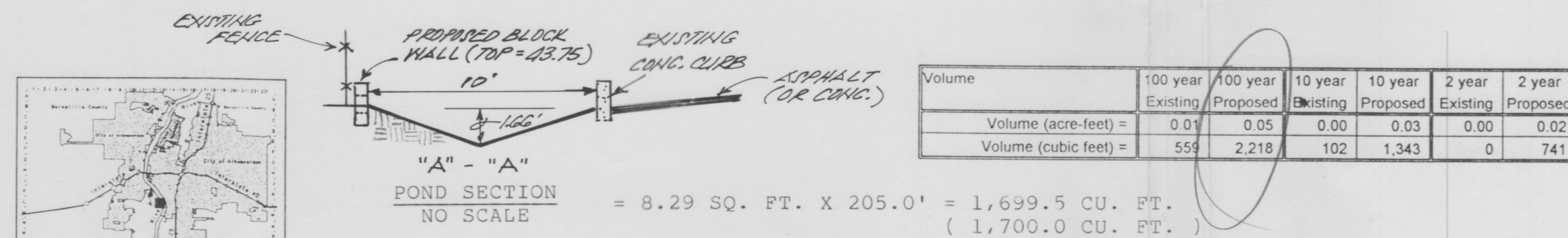
BENCH MARK REFERENCE:

ACS STATION "11-L13", LOCATED IN THE NORTHEAST QUADRANT OF BRIDGE BLVD. S.W. AND YOUNG AVENUE S.W.; M.S.L.D. ELEVATION = 4943.429, (ALSO BEING PROJECT SITE T.B.M.).

DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE NORTH SIDE OF BRIDGE BLVD. S.W. BETWEEN YOUNG AVENUE S.W. AND ETHEL AVENUE S.W., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (ZONE ATLAS "L-13-Z").

THE SUBJECT SITE, 1) AS SHOWN ON P.E.D. A. PANEL 333 OF 825 (FLOODWAY INSURANCE RATE MAP DATE SEPTEMBER 20, 1996), IS LOCATED IN A ZONE "AH" FLOOD AREA, WITH A DETERMINED FLOOD ELEVATION OF 494.0'. 2.) IS PRESENTLY A PARTIALLY DEVELOPED COMMERCIAL SITE THAT IS TO HAVE A PROPOSED PAVED PARKING AREA AS THIS PHASE "I" AND A POSSIBLE FUTURE PROPOSED BUILDING AS SHOWN ON THE PLAN HEREON AS PHASE "II" WHICH WILL BE NO ADDITIONAL IMPERVIOUS AREA TO SAID SITE AT SUCH TIME, 3.) DOES NOT CONTRIBUTE TO THE OFFSITE FLOWS OF ADJACENT PROPERTIES, 4.) DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES.



Calculations: Total Basin

Calculations are based on "Section 22.2 Hydrology of the Development Process Manual, Volume 2, Design Criteria for the City of Albuquerque, New Mexico, January 1993 - basins < 40 acres"

Precipitation Zone = 1  
Depth at 100-year, 6-hour storm: (Table A-2)

Land Treatments:  
From Table 5 - Percent Treatment D

Single Family Residential  
 $7 \cdot \text{SQR}((N \cdot N) + (5 \cdot N))$   
 where  $N$  = units/acre

N = ..... = ....., ok < 6  
Therefore Percent Treatment D 0.00%  
(includes local streets)

0.00

Areas: (acres)	Existing	Proposed
Treatment A	0.35	0.00
Treatment B	0.00	0.00
Treatment C	0.00	0.08
Treatment D	0.00	0.27
Total (acres) =	0.35	0.35

NOTE: VOLUME TO POND = 1,659.0 CU. FT.

\* VOLUME PROVIDED = 1,700.0 CU. FT.

Total Q(p), cfs.	100 year Existing Q(p)*A	100 year Proposed Q(p)*A	10 year Existing Q(p)*A	10 year Proposed Q(p)*A	2 year Existing Q(p)*A	2 year Proposed Q(p)*A
Treatment A	0.45	0.00	0.08	0.00	0.00	0.00
Treatment B	0.00	0.00	0.00	0.00	0.00	0.00
Treatment C	0.00	0.23	0.00	0.12	0.00	0.04
Treatment D	0.00	1.18	0.00	0.78	0.00	0.49
Total Q (cfs) =	0.45	1.41	0.08	0.90	0.00	0.45

Zone	Treatment			100-YR 2-YR 10-YR
	A	B	C	D
1	1.29 [0.00, 0.24]	2.03 [0.00, 0.76]	2.87 [0.47, 1.49]	4.37 [1.69, 2.89]
2	1.56 [0.00, 0.38]	2.28 [0.08, 0.95]	3.14 [0.60, 1.71]	4.70 [1.86, 3.14]
3	1.87 [0.00, 0.58]	2.60 [0.21, 1.90]	3.45 [1.00, 2.26]	5.02 [2.04, 3.59]
4	2.20 [0.00, 0.87]	2.92 [0.38, 1.45]	3.73 [1.00, 2.26]	5.25 [2.17, 3.67]

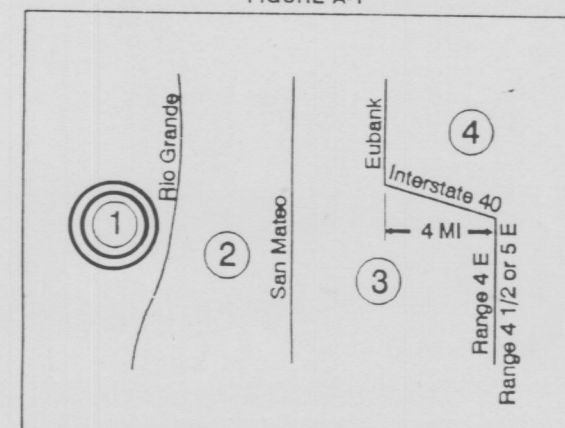
Zone	Intensity	100-YR [2-YR, 10-YR]
1	4.70 [1.84, 3.14]	
2	5.05 [2.04, 3.41]	
3	5.38 [2.21, 3.65]	
4	5.61 [2.34, 3.83]	

### A.1 PRECIPITATION ZONES

Bernalillo County's four precipitation zones are indicated in TABLE A-1 and on FIGURE A-1.

Zone	Location
①	West of the Rio Grande
2	Between the Rio Grande and San Mateo
3	Between San Mateo and Eubank, North of Interstate 40, and between San Mateo and the East boundary of Range 4 East, South of Interstate 40
4	East of Eubank, North of Interstate 40, and East of the East boundary of Range 4 East, South of Interstate 40

FIGURE A-1



Where a watershed extends across a zone boundary, use the zone which contains the largest portion of the watershed.

DPM SECTION 22.2 - HYDROLOGY  
January, 1993 Page A-

TABLE A-4. LAND TREATMENTS	
Treatment	Land Condition
A	Soil uncompacted by human activity with 0 to 10 percent slopes. Native grasses, weeds and shrubs with minimal disturbance with minimal disturbance to grading, groundwater and infiltration capacity. Croplands. Unlined arroyos.
B	Irrigated lands, parks and golf courses with 0 to 10 percent slopes. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes greater than 10 percent and less than 20 percent.
C	Soil compacted by human activity. Minimal vegetation. Unpaved parking roads, trails. Most vestiges lost. Gravel or rock on plastic (desert landscaping). Irrigated lands and parks with slopes greater than 10 percent. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes at 20 percent or greater. Native grass, weed and shrub areas with clay or clay loam soils and other soils of very low permeability as classified by SCS Hydrologic Soil Group D.
D	Impervious areas, pavement and roofs.

Most watersheds contain a mix of land treatments. To determine proportional treatments, the relative subarea of each of the specific management for treatment D, the areal percentages in TABLE A-5 may be employed.

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 765-1234 FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXAMINE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS; SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
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EROSION CONTROL MEASURES:

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

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- 2.) ADJACENT PUBLIC RIGHTS-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREETS.
- 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

ENGINEER'S STATEMENT:

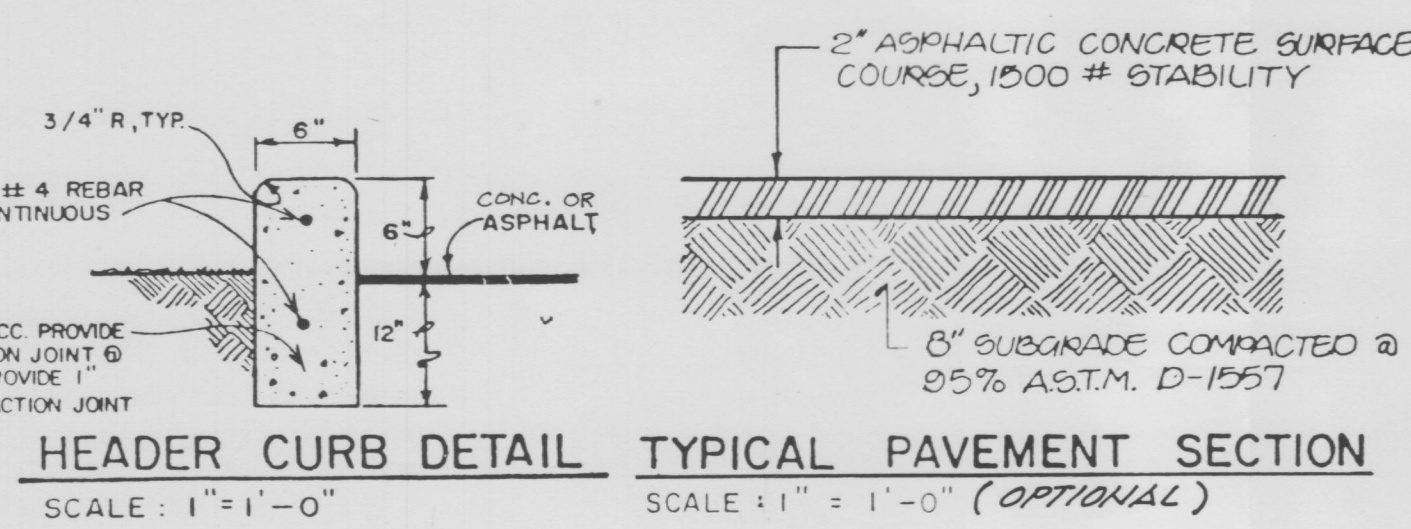
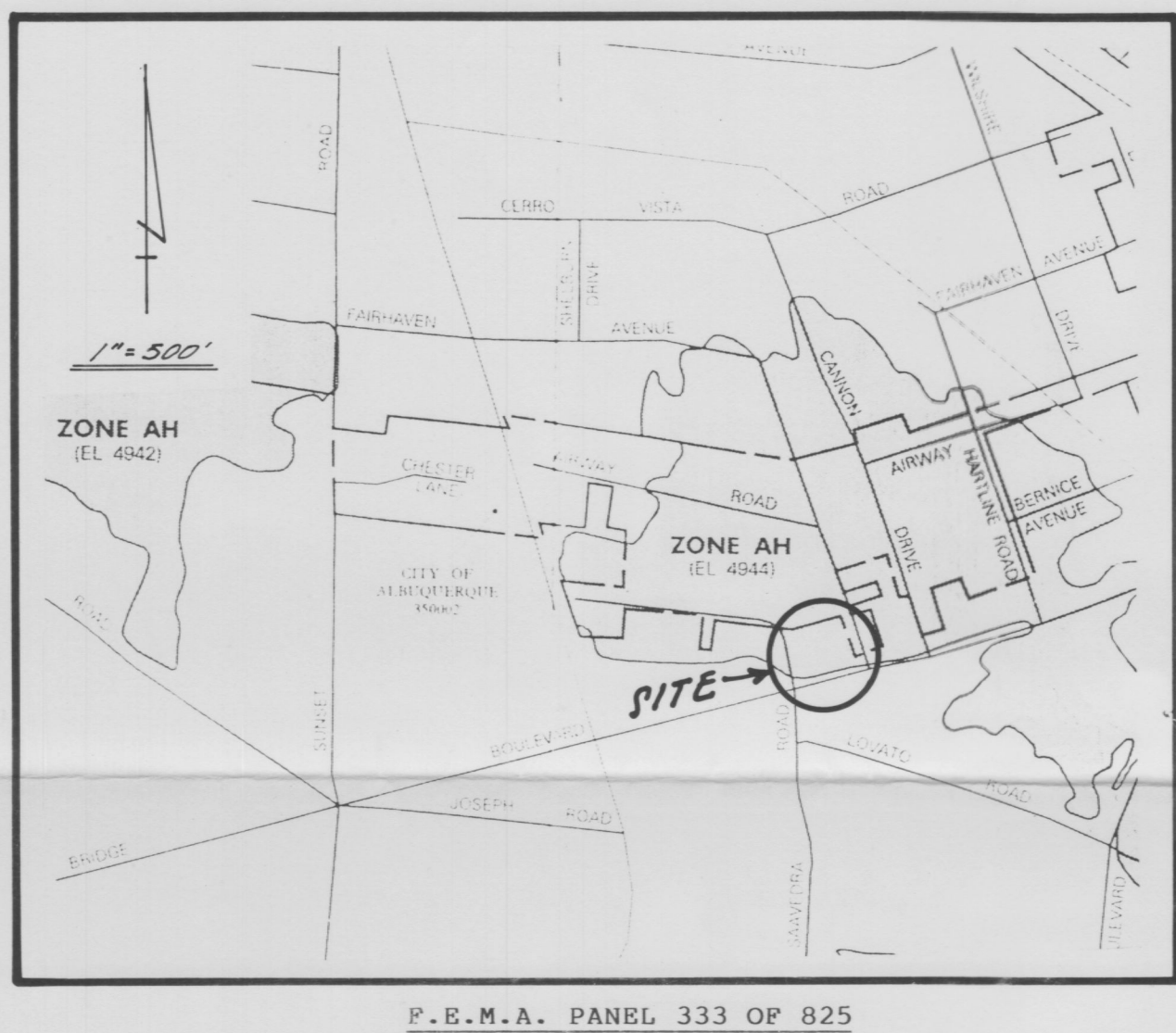
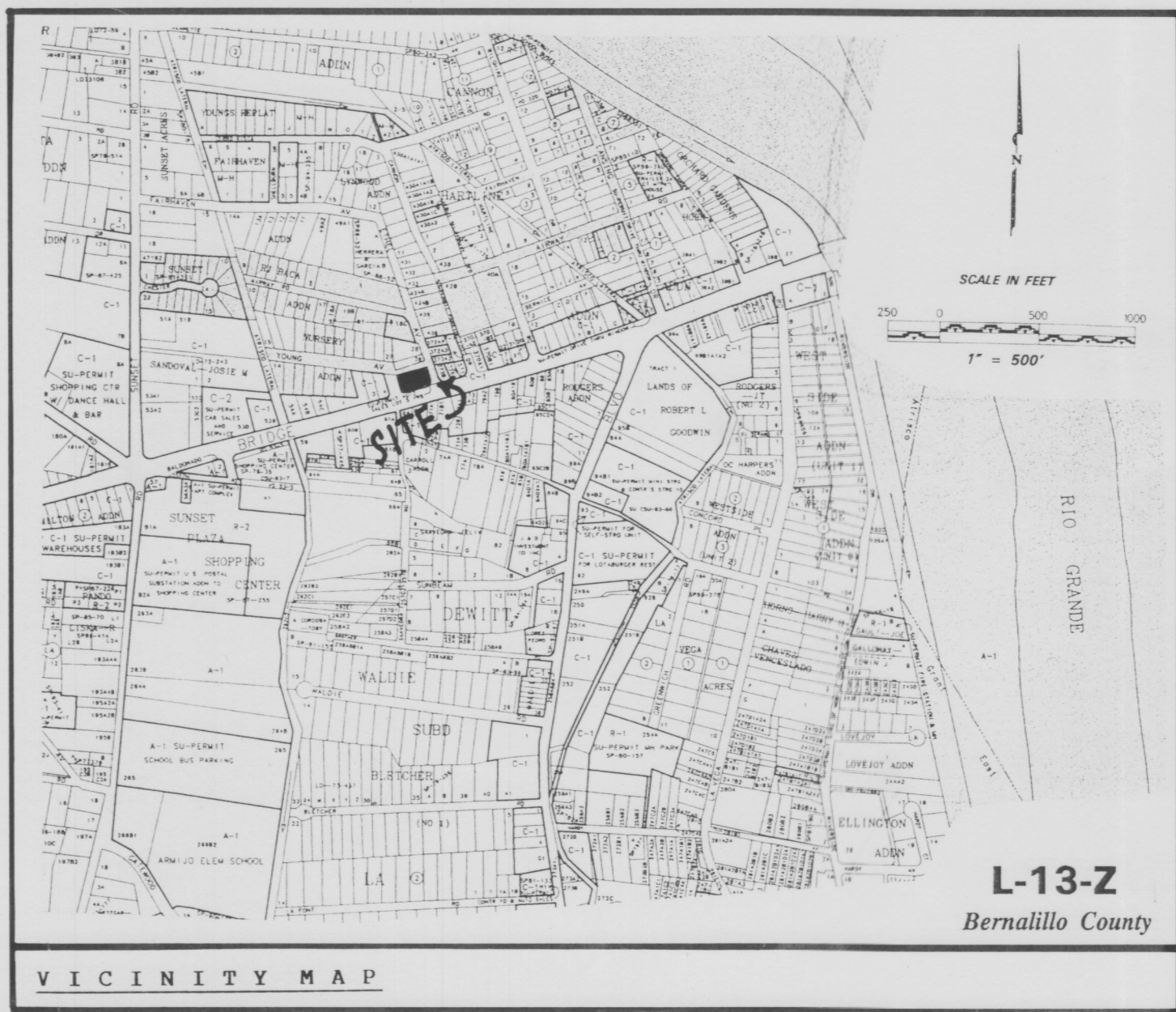
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REVISION OF  
A PROPOSED PAVING PLAN  
FOR  
RIOS AUTO SALES  
(1251 BRIDGE BLVD. P.K.I.)  
BERNALILLO COUNTY, NEW MEXICO  
SEPTEMBER, 1998  
(REVISED: FEBRUARY, 1999)

(L13/D9) (PWD-98-176)





- GENERAL NOTES:**
- 1.) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.
  - 2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HEREON

**LEGEND:**

TOP OF CURB ELEVATION =  $TC = 43.66$   
 CURB FLOWLINE ELEVATION =  $FL = 43.17$   
 EXISTING SPOT ELEVATION =  $SE = 42.88$   
 EXISTING CONTOUR ELEVATION =  $CE = 44.4$   
 PROPOSED SPOT ELEVATION =  $PS = 44.30$   
 PROPOSED CONTOUR ELEVATION =  $PC = 44.00$   
 PROPOSED OR EXISTING CONCRETE SURFACE =

**LEGAL DESCRIPTION:**

LOTS NUMBERED ONE (1), TWO (2), AND THREE (3), OF THE NURSERY ADDITION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO. (D1-79).

**BENCH MARK REFERENCE:**

ACS STATION "11-L13", LOCATED IN THE NORTHEAST QUADRANT OF BRIDGE BLVD. S.W. AND YOUNG AVENUE S.W.; M.S.L.D. ELEVATION = 4943.429, (ALSO BEING PROJECT SITE T.B.M.).

**DRAINAGE COMMENTS:**

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE NORTH SIDE OF BRIDGE BLVD. S.W. BETWEEN YOUNG AVENUE S.W. AND ETHEL AVENUE S.W., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (ZONE ATLAS "L-13-Z").

THE SUBJECT SITE, 1.) AS SHOWN ON P.E.M.A. PANEL 333 OF 825 (FLOODWAY INSURANCE RATE MAP DATE SEPTEMBER 20, 1996), IS LOCATED IN A ZONE "AH" FLOOD AREA, WITH A DETERMINED FLOOD ELEVATION OF 4944.0, 2.) IS PRESENTLY A PARTIALLY DEVELOPED COMMERCIAL SITE THAT IS TO HAVE A PROPOSED PAVED PARKING AREA AS THIS PHASE "I" AND A POSSIBLE FUTURE PROPOSED BUILDING AS SHOWN ON THE PLAN HEREON AS PHASE "II" WHICH WILL BE NO ADDITIONAL IMPERVIOUS AREA TO SAID SITE AT SUCH TIME, 3.) DOES NOT CONTRIBUTE TO THE OFFSITE FLOWS OF ADJACENT PROPERTIES, 4.) DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES.

Calculations: Total Basin

Calculations are based on "Section 22.2 Hydrology of the Development Process Manual, Volume 2, Design Criteria for the City of Albuquerque, New Mexico, January 1993 - basins < 40 acres".

Precipitation Zone = 1

Depth at 100-year, 6-hour storm (Table A-2)  $P = 2.20$  inches

Land Treatments:

From Table 5 - Percent Treatment D

Single Family Residential = 7% (SOR(NN) + (5%))

where  $N = \text{units/acre}$

$N = \frac{1.67}{0.00558} = 300$  - ok < 6

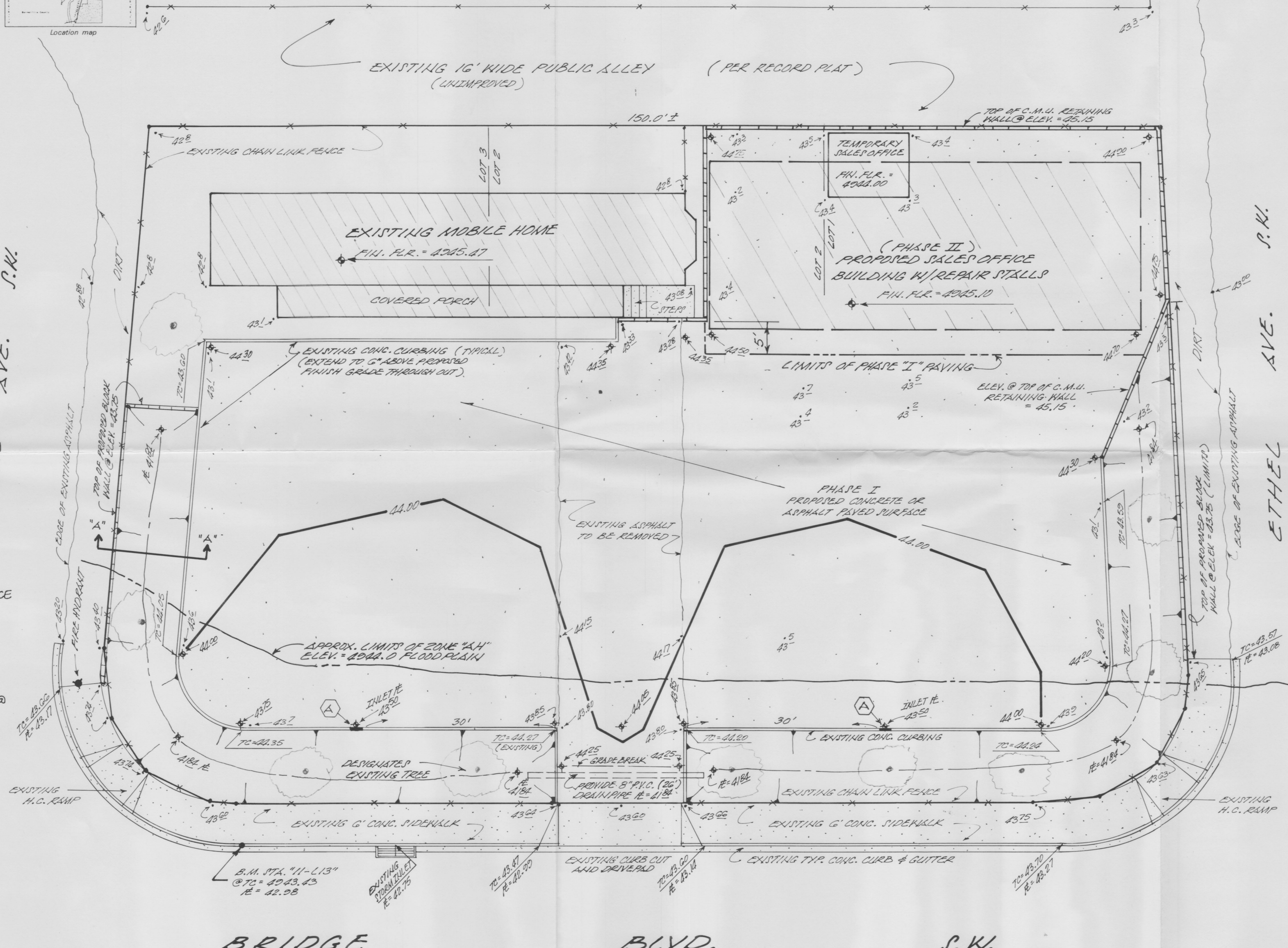
Therefore Percent Treatment D = 0.00%

(includes local streets)

Volume

Volume	100 year Existing	100 year Proposed	10 year Existing	10 year Proposed	2 year Existing	2 year Proposed
Volume (acre-feet)	0.01	0.05	0.00	0.03	0.00	0.02
Volume (cubic feet)	559	2,218	102	1,343	0	741

$\text{Area} = 8.29 \text{ SQ. FT.} \times 205.0' = 1,699.5 \text{ CU. FT.}$   
 $(1,700.0 \text{ CU. FT.})$



PROVIDE 1.0' WIDE OPENING IN CURB FOR DRAIN INLET TO POND.

**NOTE:** IT IS RECOMMENDED THAT A PERIMETER BOUNDARY SURVEY OF THE SUBJECT PROPERTY BE PERFORMED PRIOR TO PHASE II BUILDING CONSTRUCTION.

**ENGINEER'S STATEMENT:**

I, LEVI J. VALDEZ, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 5693, DO HEREBY STATE THAT I HAVE PERSONALLY MADE AN ONSITE FIELD INSPECTION OF THE SUBJECT PROPERTY, AND FOUND THAT NO RECENT GRUBBING, GRADING, FILLING OR CUTTING HAD TAKEN PLACE ON SAID SUBJECT SITE PRIOR TO THE PREPARATION OF THE TOPOGRAPHY SURVEY AND MAP AS SHOWN ON THE PLAN HEREON.



REVISION OF  
 A PROPOSED PAVING PLAN  
 FOR  
 RIOS AUTO SALES  
 (1251 BRIDGE BLVD. S.W.)  
 BERNALILLO COUNTY, NEW MEXICO  
 SEPTEMBER, 1998  
 (REVISED: FEBRUARY, 1999)

Areas (acres)

	Existing	Proposed
Treatment A	0.35	0.00
Treatment B	0.00	0.00
Treatment C	0.00	0.08
Treatment D	0.00	0.27
Total (acres)	0.35	0.35

NOTE: VOLUME TO POND = 1,659.0 CU. FT.

\* VOLUME PROVIDED = 1,700.0 CU. FT.

Total Q (cfs)

	100 year Existing	100 year Proposed	10 year Existing	10 year Proposed	2 year Existing	2 year Proposed
Treatment A	0.45	0.00	0.00	0.00	0.00	0.00
Treatment B	0.00	0.00	0.00	0.00	0.00	0.00
Treatment C	0.00	0.23	0.00	0.12	0.00	0.04
Treatment D	0.00	1.18	0.00	0.78	0.00	0.46
Total Q (cfs)	0.45	1.41	0.08	0.90	0.00	0.49

TABLE A-4. PEAK DISCHARGE (ft/sec)

Zone	Treatment			
	A	B	C	D
1	1.29 (0.00, 0.24)	2.03 (0.00, 0.76)	2.87 (0.47, 1.49)	4.37 (1.69, 2.89)
2	1.60 (0.00, 0.38)	2.28 (0.00, 0.95)	3.14 (0.80, 1.71)	4.70 (1.86, 3.14)
3	1.67 (0.00, 0.58)	2.60 (0.21, 1.19)	3.45 (0.78, 2.00)	5.02 (2.04, 3.29)
4	2.20 (0.00, 0.87)	2.92 (0.38, 1.45)	3.73 (1.00, 2.26)	5.25 (2.17, 3.57)

TABLE A-10. PEAK INTENSITY (NHR at  $t_c = 0.2$  hour)

Zone	Intensity	
	4-YR	10-YR
1	4.70 (1.84, 3.14)	6.61 (2.54, 3.41)
2	5.05 (2.04, 3.41)	6.61 (2.54, 3.41)
3	5.38 (2.21, 3.65)	6.61 (2.54, 3.41)
4	5.61 (2.34, 3.83)	6.61 (2.54, 3.41)

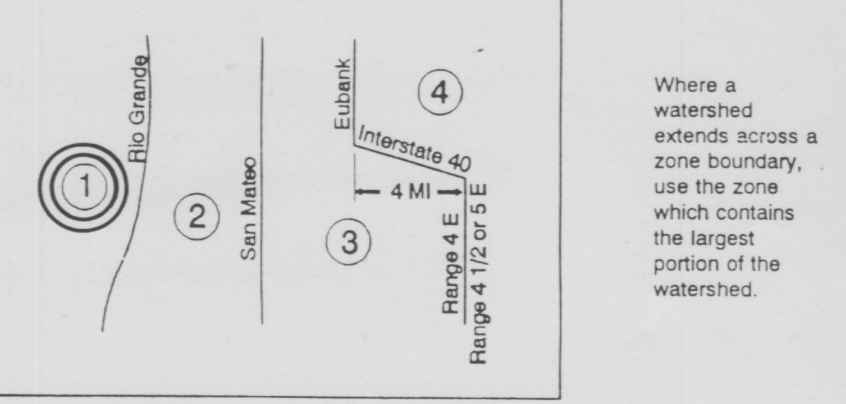
**A1 PRECIPITATION ZONES**

Bernalillo County's four precipitation zones are indicated in TABLE A-1 and on FIGURE A-1.

TABLE A-1. PRECIPITATION ZONES

Zone	Location
1	West of the Rio Grande
2	Between the Rio Grande and San Mateo
3	Between San Mateo and Eubank, North of Interstate 40, and between San Mateo and the East boundary of Range 4 East, South of Interstate 40
4	East of Eubank, North of Interstate 40, and East of the East boundary of Range 4 East, South of Interstate 40

FIGURE A-1



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TABLE A-4. LAND TREATMENTS

Treatment	Land Condition
A	Soil uncompacted by human activity with 0 to 10 percent slopes. Native grasses, weeds and shrubs in typical densities with minimal disturbance to grading, groundcover and infiltration capacity. Croplands, Unlined arroyos.
B	Irrigated lawns, parks and golf courses with 0 to 10 percent slopes. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes greater than 10 percent and less than 20 percent.
C	Soil compacted by human activity. Minimal vegetation. Unpaved parking, roads, trails. Most vacant lots. Gravel or rock on plastic (desert landscaping). Irrigated lawns and parks with slopes greater than 10 percent. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes at 20 percent or greater. Native grass, weed and shrub areas with clay or clay loam soils and other soils of very low permeability as classified by SCS Hydrologic Soil Group D.
D	Impervious areas, pavement and roofs.

Most watersheds contain a mix of land treatments. To determine proportional treatments, measure respective subareas. In lieu of specific measurement for treatment D, the area percentages in TABLE A-5 may be employed.

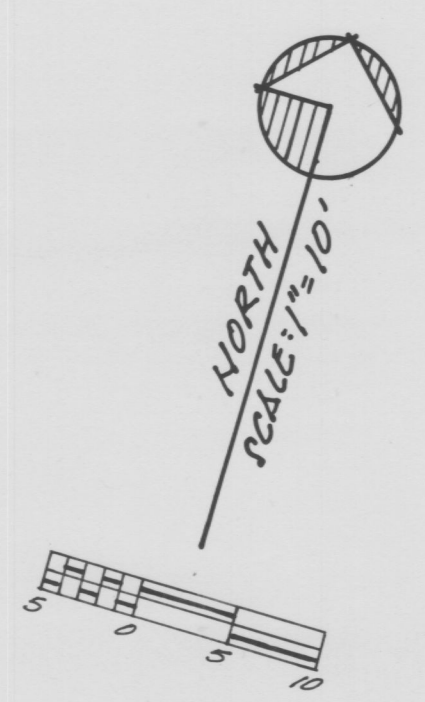
**CONSTRUCTION NOTES:**

- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 765-1234 FOR LOCATION OF EXISTING UTILITIES.
- 2.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS: SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
- 3.) 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.
- 4.) ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

**EROSION CONTROL MEASURES:**

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

- 1.) 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 FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTIES.
- 2.) 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 PUBLIC STREETS.
- 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE AND DEPOSITED THERE.



(L13/D9) (PWD-98-176)