

May 16, 1996

Martin J. Chávez, Mayor

J. Arsenio Martinez  
Rodriguez Development Consultant  
12800 San Juan NE  
Albuquerque, NM 87123

RE: ENGINEER CERTIFICATION FOR STATEWIDE PRODUCTS CO, INC.  
(H17-D68) CERTIFICATION STATEMENT DATED 5/9/96.

Dear Mr. Martinez:

Based on the information provided on your May 15, 1996 submittal, Engineer Certification for the above referenced site is acceptable.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, CE  
Engineering Associate

BJM/dl

c: Andrew Garcia  
File

Good for You, Albuquerque!





# ***City of Albuquerque***

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 15, 2001

Frank D. Lovelady, P.E.  
300 Alamosa NW  
Albuquerque, NM 87107

**RE: Grading and Drainage Certification-  
Statewide Products Facility- (4119 Prospect Ave NE) (H-17/D68)  
Engineer's Stamp dated 8/3/1999  
Engineers Certification dated 3/13/2001**

Dear Mr. Lovelady:

Based upon the information provided in your Engineers Certification submittal dated 3/13/2001, the above referenced site is approved for Permanent Certificate of Occupancy.

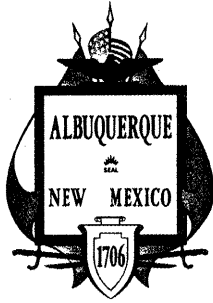
If I can be of further assistance, please contact me at 924-3986.

Sincerely,

*Bradley L. Bingham*

Bradley L. Bingham, PE  
Senior Civil Engineer  
Hydrology Section, PWD

C: Vickie Chavez, COA  
Teresa Martin, COA  
file



# *City of Albuquerque*

September 23, 1999

Frank D. Lovelady, P.E.  
300 Alamosa NW  
Albuquerque, New Mexico 87107

**RE: *Grading and Drainage Plan for Warehouse Addition to Statewide Products Facility  
(H17/D68) Submitted for Building Permit Approval, Engineer's Stamp Dated 8/3/99.***

Dear Mr. Lovelady:

Based on the information provided, the above referenced Grading and Drainage plan dated August 3, 1999 is approved for Building Permit release.

The Engineer's Certification will be required prior to release of the Certificate of Occupancy for this building addition.

Please be aware that City Transportation made comments regarding the Traffic Circulation Layout (TCL). Attached is a copy of the comment letter to the Architect. If these comments require significant changes to the site layout, please update the drainage plan to match.

If you have any questions, or if I may be of further assistance to you, please call me at 924-3982.

Sincerely,

Susan M. Calongne, P.E.  
City/County Floodplain Administrator

Attachment

C: Whitney Reiersen, City Hydrology  
File

PROJECT NO. 1002  
DATE: 10/13/99

#### DRAINAGE CALCULATIONS:

##### EXISTING CONDITIONS:

The site is located on the north side of Prospect Avenue, N.E. approximately 400' west of Morningside Drive. Prospect Avenue is paved with curb and gutter. The site is developed as an office/warehouse site with a T-shaped building. Property west, north and east of the site is presently developed. The site is mostly impervious except for small landscaping areas and the extreme north end of the site. There is no off-site flow associated with the site.

##### PROPOSED CONDITIONS:

It is proposed to construct an addition to the existing building consisting of additional warehouse space on the north and east sides and second level office space on the south side. It is proposed to drain all roof drainage that drains from the north side of the building out to the parking lot via a concrete swale east of the new addition. The increase in runoff is minimal.

##### DRAINAGE CRITERIA:

The calculations shown on this plan were prepared in accordance with Section 22.2, Hydrology, of the Development Process Manual, Volume 2, Design Criteria, for the City of Albuquerque in cooperation with Bernalillo County, New Mexico and the Metropolitan Arroyo Flood Control Authority, January, 1993.

##### PRECIPITATION ZONE:

The site is between the Rio Grande River and San Mateo Blvd. and is, therefore, in Precipitation Zone 2.

##### LAND TREATMENT AREAS, EXCESS PRECIPITATION AND UNIT PEAK DISCHARGE:

The peak discharge per acre and excess precipitation are shown for the four land treatments in Zone 2 in the table below, and the values shown are from the City of Albuquerque D.P.M. Also shown are the existing and proposed land treatment areas.

LAND TREATMENT	q(cfs/acre)		E (in)		Existing Site Areas		Developed Site Areas		
	100-yr	10-yr	100-yr	10-yr	%	Sq Ft	%	Sq Ft	
A	1.56	0.38	0.53	0.13	0.0	0.0000	0.0	0.0000	
B	2.28	0.95	0.78	0.28	3.6	940	0.0216	4.7	1,244
C	3.14	1.71	1.13	0.52	11.1	2,922	0.0671	0.0	0.0000
D	4.70	3.14	2.12	1.34	85.3	22,531	0.5172	95.3	25,149
Totals					100.0	26,393	0.6059	100.0	26,393

##### PEAK DISCHARGE:

###### EXISTING CONDITIONS:

Q100 = 0.0216 \* 2.28 + 0.0671 \* 3.14 + 0.5172 \* 4.70 = 2.69 cfs  
Q10 = 0.0216 \* 0.95 + 0.0671 \* 1.71 + 0.5172 \* 3.14 = 1.76 cfs

###### DEVELOPED CONDITIONS:

Q100 = 0.0286 \* 2.28 + 0.5773 \* 4.70 = 2.78 cfs  
Q10 = 0.0286 \* 0.95 + 0.5773 \* 3.14 = 1.84 cfs

##### VOLUME, 100-YEAR AND 10-YEAR, 6-HOUR:

###### EXISTING CONDITIONS:

V100 = (940 \* 0.78 + 2,922 \* 1.13 + 22,531 \* 2.12) / 12 = 4,317 cf  
V10 = (940 \* 0.28 + 2,922 \* 0.52 + 22,531 \* 1.34) / 12 = 2,664 cf

###### DEVELOPED CONDITIONS:

V100 = (1,244 \* 0.78 + 25,149 \* 2.12) / 12 = 4,524 cf

V10 = (1,244 \* 0.28 + 25,149 \* 1.34) / 12 = 2,837 cf

##### SUMMARY OF ON-SITE VOLUMES AND PEAK DISCHARGE RATES:

	V100(CF)	V10(CF)	Q100(CFS)	Q10(CFS)
DEVELOPED	4,524	2,837	2.78	1.84
EXISTING	4,317	2,664	2.69	1.76
INCREASE	207	173	0.09	0.08

##### ANALYSIS OF DOWNSTREAM CAPACITY:

Adjacent to the site, Prospect Avenue slopes in a westerly direction. Flow continues west to the intersection of Prospect Avenue and Solano Drive where there is a series of inlets which collect all street runoff. The inlets are connected to a storm drainage system that empties into the Embudo Arroyo a short distance to the South. There appears to be adequate downstream capacity for this site. The site is an infill site and the increase in runoff resulting from development is minimal.

##### ANALYSIS OF OFF-SITE FLOW:

THIS SITE HAS NO OFF-SITE FLOW ASSOCIATED WITH IT.

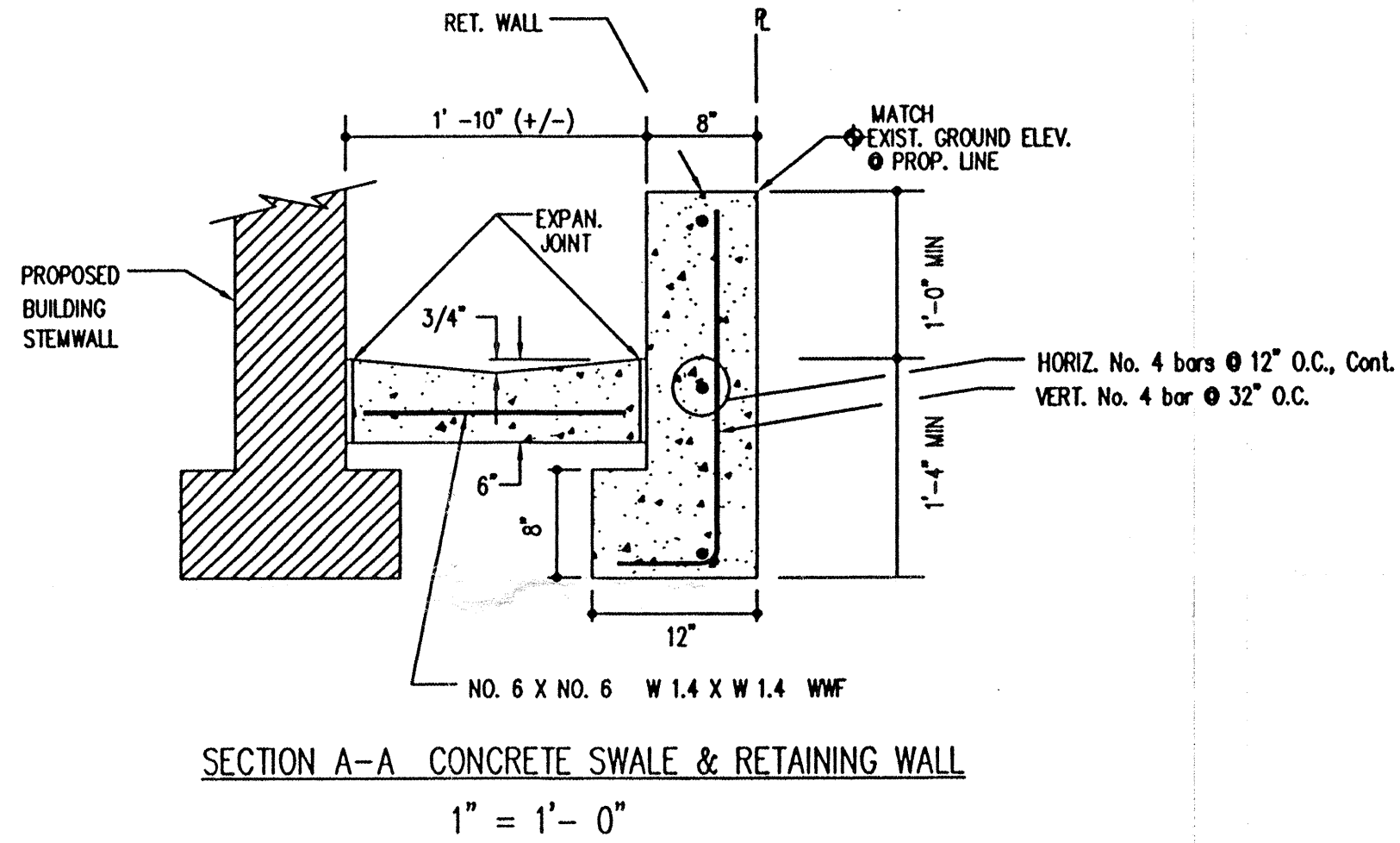
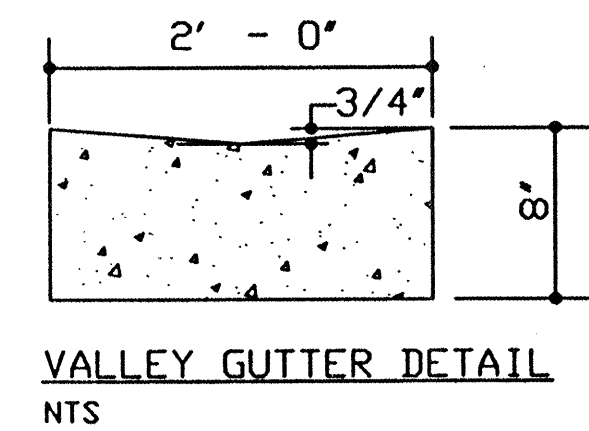
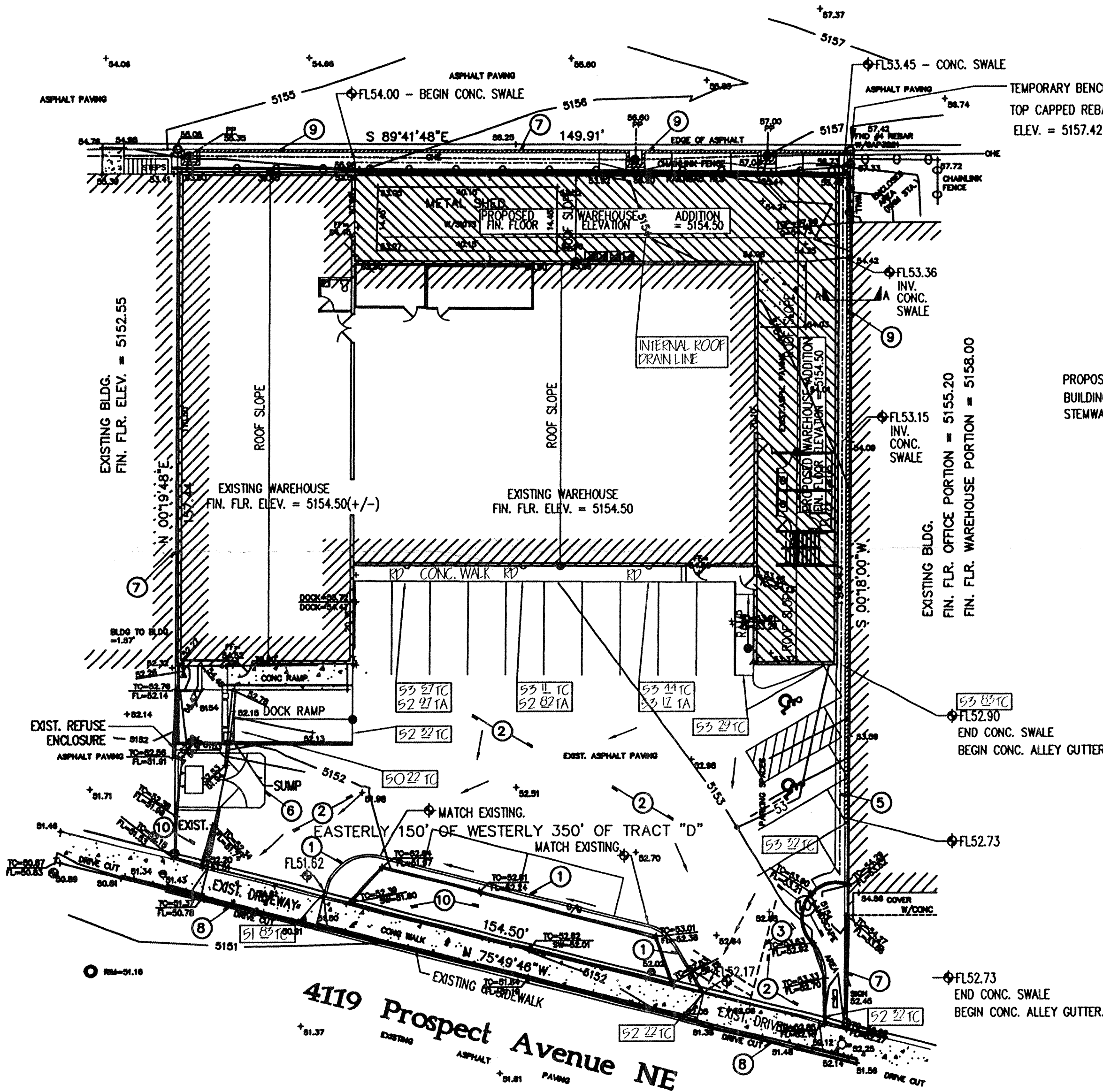
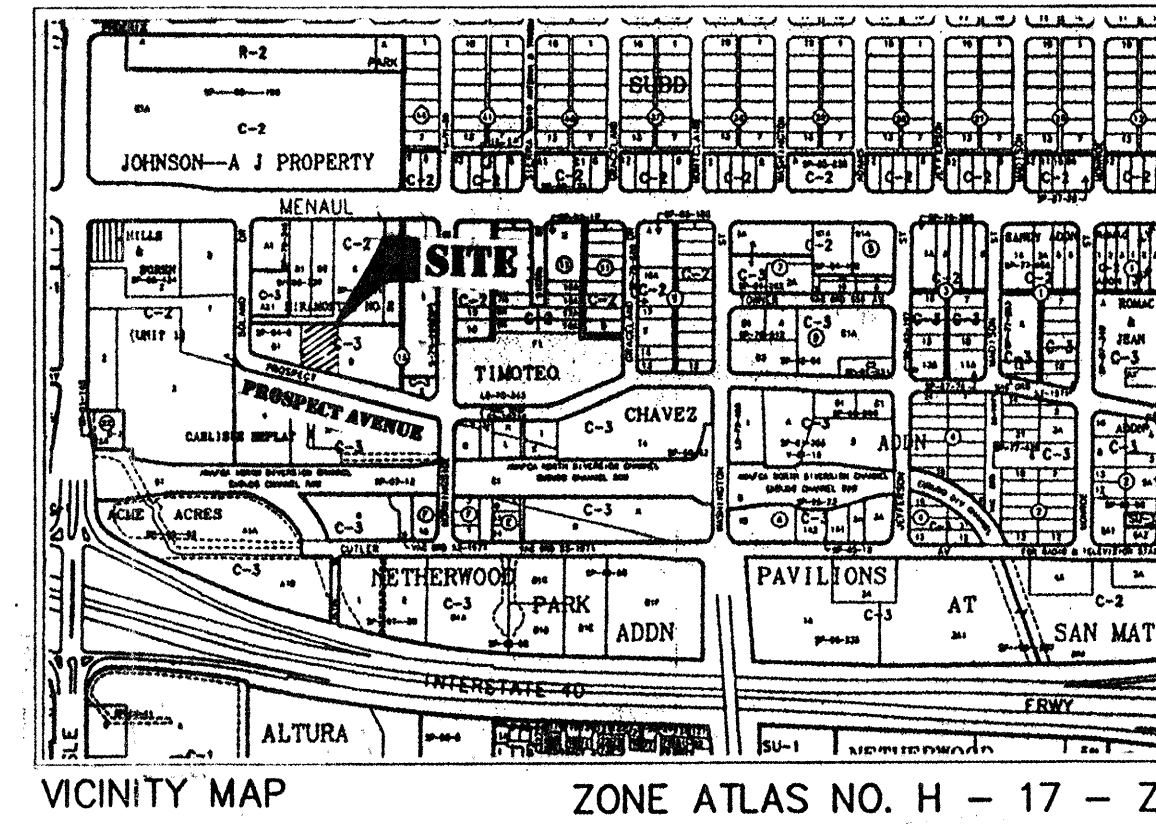
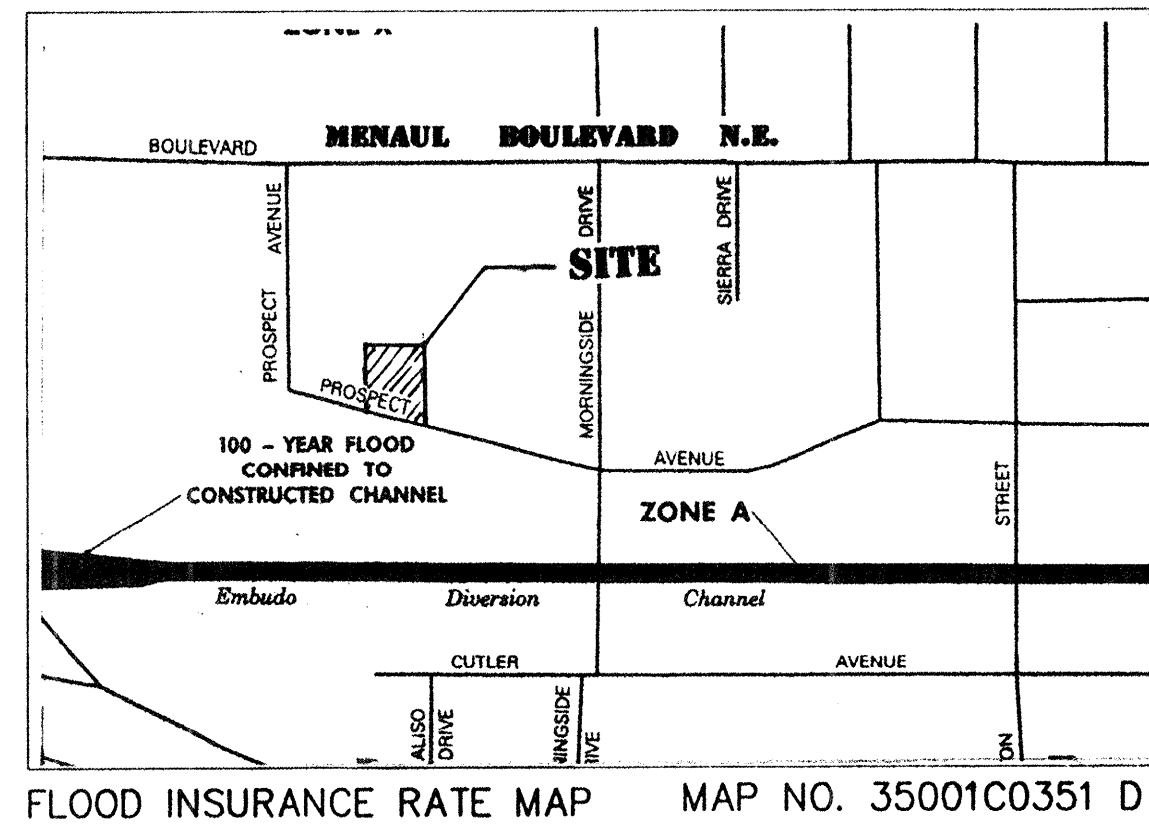
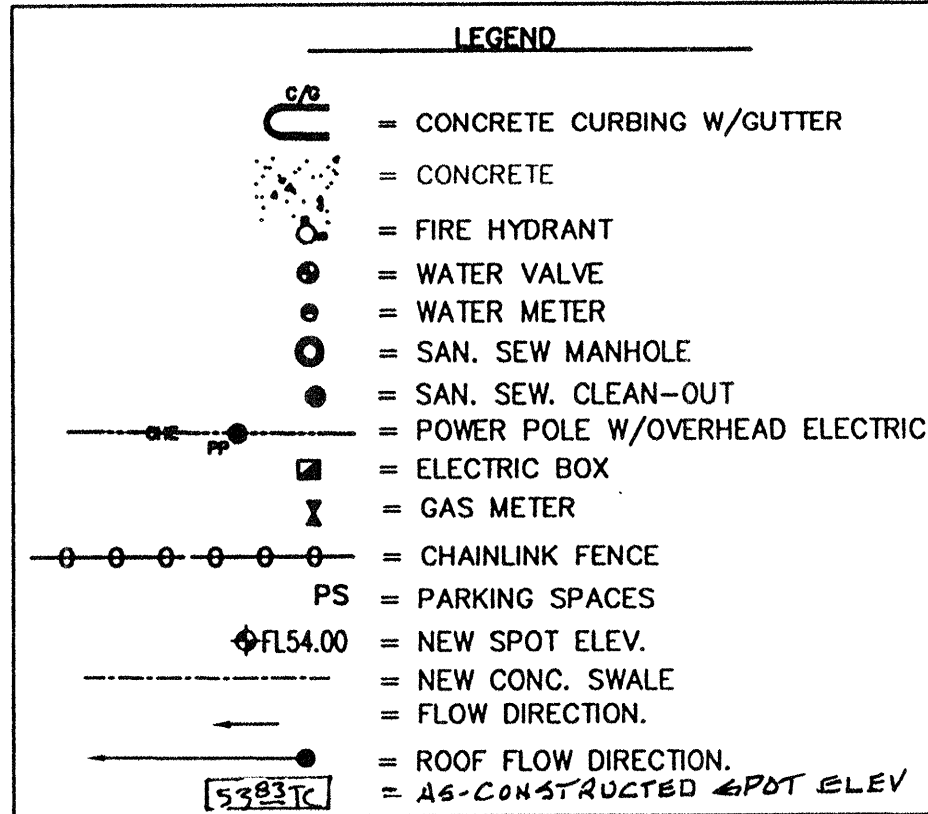
#### EROSION CONTROL REQUIREMENTS:

The Contractor shall be responsible for compliance with the following:

1. No sediment-bearing water shall be allowed to discharge from the site during construction.
2. During grading operations and until the project has been completed, all adjacent property rights-of-way, and easements shall be protected from flooding by runoff from the site.
3. Should the contractor fail to prevent sediment-bearing water from entering public right-of-way, he shall promptly remove from the public right-of-way any and all sedimentation originating from the site.
4. Control of sediment-bearing waters will be accomplished by use of a compacted earth berm of adequate height. The berm shall be located along the downstream perimeter of the property.

#### KEYED NOTES:

- ① 6" CONCRETE CURB.
- ② EXISTING ASPHALT PAVEMENT.
- ③ APPROX. LIMITS OF ASPHALT REMOVAL AND REPLACEMENT.
- ④ CENTERLINE OF CONC. SWALE.
- ⑤ CONC. "ALLEY" GUTTER. SEE DETAIL.
- ⑥ REFUSE ENCLOSURE & CONC. PAD.
- ⑦ PROPERTY LINE.
- ⑧ EXIST. DRIVEPAD.
- ⑨ PROPERTY LINE RETAINING WALL.
- ⑩ LANDSCAPING AREA.



**BENCH MARK AND GENERAL SURVEY NOTES:**

1. CONTOUR INTERVAL IS ONE (1) FOOT.
2. ELEVATIONS ARE BASED ON ALBUQUERQUE CONTROL STATION BRASS CAP "9-H17", HAVING AN ELEVATION OF 5178.210 FEET ABOVE SEA LEVEL.
3. UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.
4. THIS IS NOT A BOUNDARY SURVEY. BEARINGS AND DISTANCES SHOWN ARE FOR REFERENCE ONLY.

**LEGAL DESCRIPTION:**

EASTERLY 150' OF WESTERLY 350' OF TRACT "D" OF THE TIMOTEO CHAVEZ ADDITION, CITY OF ALBUQUERQUE, BERNALILLO COUNTY ADDITION.

#### ENGINEER'S CERTIFICATION:

HAVING FIELD-INSPECTED THE SITE AND HAVING TAKEN SPOT ELEVATIONS AT CRITICAL LOCATIONS, I HEREBY CERTIFY THAT THE AS-CONSTRUCTED FACILITY IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED GRADING AND DRAINAGE PLAN WITH ENGINEER'S STAMP DATED AUGUST 3, 1999.

FRANK D. LOVELL  
NEW MEXICO  
REGISTERED PROFESSIONAL ENGINEER  
NO. 6518  
DATE: March 13, 2001  
N.M.P.E. 6512

FRANK D. LOVELL  
NEW MEXICO  
REGISTERED PROFESSIONAL ENGINEER  
NO. 6512  
REVISED 3-13-01

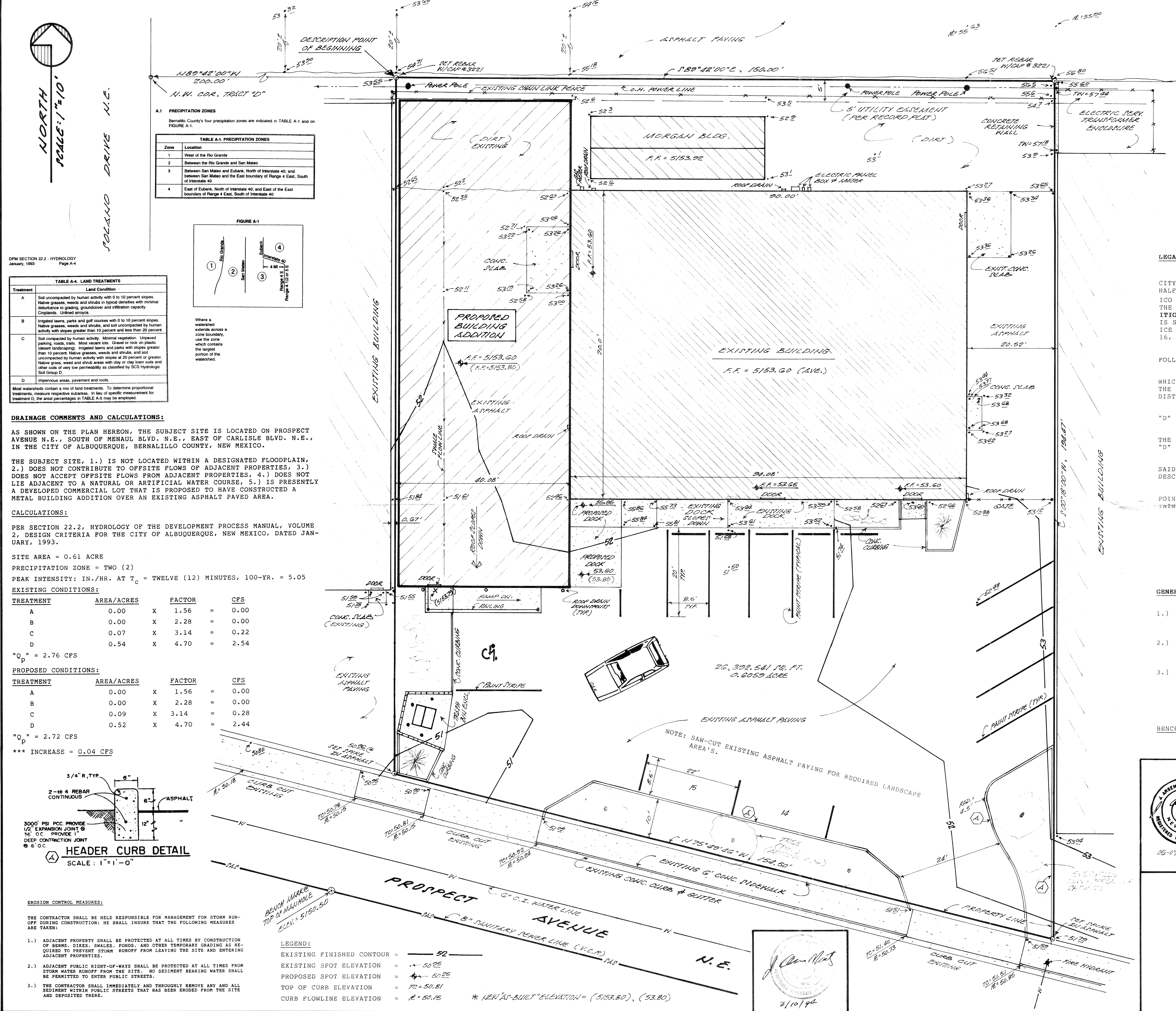
**Warehouse Addition to Statewide Products Facility**  
LOCATED AT 4119 PROSPECT AVE. NE, ALBUQUERQUE, NEW MEXICO

**KEN HOVEY, ARCHITECT**  
(505) 254-0083 • Fax (505) 254-1809 • 3008 SUMMIT AVE. SE • Albuquerque, NM • 87108

JOB NO:	9924
DATE:	13 MARCH, 2001
REVISIONS	

SHEET NO.  
**C-2**





**LEGAL DESCRIPTION:**

A CERTAIN PARCEL OF LAND SITUATE WITHIN THE CITY LIMITS OF THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, IN THE SOUTH ONE HALF (S 1/2) OF SECTION 11, TOWNSHIP 10 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN; BEING AND COMPRISING THE EASTERLY 150.00' OF THE WESTERLY 350.00' OF TRACT LETTERED "D" OF THE TIMOTEO-CHAVEZ ADDITION, AN ADDITION TO THE CITY OF ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT OF SAID ADDITION FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON JANUARY 16, 1958.

BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS SURVEY AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF THE TRACT HEREIN DESCRIBED, WHICH IS A POINT ON THE NORTHERLY LINE OF SAID TRACT "D", FROM WHENCE THE NORTHWEST CORNER OF TRACT "D" BEARS N 89°42'00" W, 200.00 FEET DISTANCE; THENCE FROM SAID POINT OF BEGINNING,

"D" S 89°42'00" E, 150.00 FEET ALONG SAID NORTHERLY LINE OF TRACT "D" TO THE NORTHEAST CORNER OF THE TRACT HEREIN DESCRIBED; THENCE,

S 00°18'00" W, 194.47 FEET DISTANCE TO THE SOUTHEAST CORNER OF THE TRACT HEREIN DESCRIBED, (A POINT ON THE SOUTHERLY LINE OF TRACT "D" AND THE NORTHERLY LINE OF PROSPECT AVENUE N.E.); THENCE,

N 75°49'46" W, 154.50 FEET DISTANCE ALONG THE NORTHERLY LINE OF SAID PROSPECT AVENUE N.E. TO THE SOUTHWEST CORNER OF THE TRACT HEREIN DESCRIBED; THENCE,

N 00°18'00" E, 157.42 FEET DISTANCE TO THE NORTHWEST CORNER, THE POINT AND PLACE OF BEGINNING OF THE TRACT HEREIN DESCRIBED, AND CONTAINING 26,392.541 SQUARE FEET, ( 0.6059 ACRE ), MORE OR LESS.

JOHN B. TORRES, N.M.L.S. NO. 3221

**GENERAL NOTES:**

- 1.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT SITE OTHER THAN THOSE SHOWN ON THE PLAT OF RECORD AND ON THE SURVEY MAP HEREON.
- 2.) UTILITY LINE INFORMATION (OVERHEAD AND UNDERGROUND) AS SHOWN ON THE MAP HEREON WAS OBTAINED FROM AN ACTUAL FIELD SURVEY AND CITY OF ALBUQUERQUE, ENGINEERING DEPARTMENT RECORDS.
- 3.) TOPOGRAPHY ELEVATIONS SHOWN HEREON ARE REFERENCED TO "MEAN SEA LEVEL DATUM".

BENCH MARK REFERENCE: ACS BRASS CAP STATION "1-H16", M.S.L.D. ELEVATION = 5137.290; PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.

**ENGINEER'S CERTIFICATION:**

I, J. ARSENIO MARTINEZ, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 7875, LICENSED AND REGISTERED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY STATE THAT AN ACTUAL ON THE GROUND FIELD SURVEY VERIFICATION OF THE GRADES AND IMPROVEMENTS OF THE NEW BUILDING ADDITION ON THE SUBJECT PROPERTY ARE IN "SUBSTANTIAL COMPLIANCE" TO THE APPROVED DRAINAGE PLAN FOR SAID DEVELOPMENT.



05-09-96

**A DRAINAGE PLAN  
FOR A PROPOSED BUILDING ADDITION  
TO THE  
EASTERLY 150' OF WESTERLY 350' OF  
TRACT "D"  
TIMOTEO-CHAVEZ ADDITION  
ALBUQUERQUE, NEW MEXICO  
MARCH, 1994  
(CERTIFICATION: MAY 9, 1996)**