Hydrology File No. K-18/D054 1 of 1

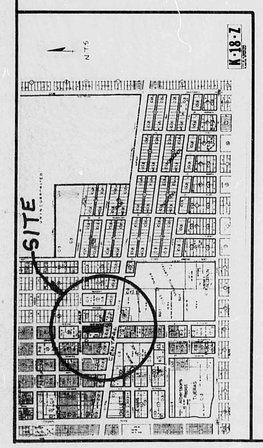
PLAT OF TRACT B, BLOCK 36 TIJERAS PLACE ADDITION WITHIN SECTION 24, T.10 N., R.3 E., N.M.P.M. CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO NOVEMBER 1988

8911539

HYDROLOGY SECTION

TALOS 12-29-2503

K-18-Z



LEGAL DESCRIPTION AND FREE CONSENT

The undersigned owner(s) of the land hereon shown do hereby consent to the Replat of the land hereon shown:

Lots numbered Thirteen (13) thru Twenty-five (25) inclusive in Block numbered Thirty-six (36) of the amended plat of TIJERAS PLACE, an Addition to the City of Albuquerque, Bernalillo County, New Mexico, as the same is shown and designated on the plat thereof filed in the office of the County Clerk of Bernalillo County, New Mexico on February 24, 1925, and Tract C, Bernalillo WITH the North half (N 1/2) of vacated alley South of and adjacent to said Lot 25.

Said owner(s) consent to the replat of said land in accordance with the desires of the undersigned owner(s) and proprietor(s) thereof and hereby dedicates the easements as shown hereon.

Owner(s) Don Richard and Eileen Thiemann Date 12-14-88

ACKNOWLEDGEMENT

STATE OF NEW MEXICO }
COUNTY OF BERNALILLO } ss.

The foregoing instrument was acknowledged before me this 14th day of December, 1988, by Don Richard and Eileen Thiemann

My Commission Expires: 9-11-91 Notary Public Tammy Jackson

CITY/COUNTY APPROVALS:

Parks & Recreation Department	1-5-89 Date
City Engineer	010311 Date
City Traffic Engineer	1-23-89 Date
City Water Utility Authority	1/11/89 Date
A.M.A.F.C.A.	1/11/89 Date
Traffic Engineer	1/11/89 Date
Bernalillo County Treasurer	1-17-89 Date
City Planning Director	2-13-89 Date

SURVEYOR'S CERTIFICATION

I, Frank D. Love, a registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat was made from a field survey made by me or under my supervision of monumentation and surveys of the alignments and positions of monuments, and that it is true and correct to the best of my knowledge and belief.

Frank D. Love N.M.L.S. No. 6446 11-29-88 Date

SOUTHWEST SURVEYING CO., INC.
3908 Carlisle, N.E., Albuquerque, New Mexico 87110
(505) 247-4444

ACKNOWLEDGEMENT

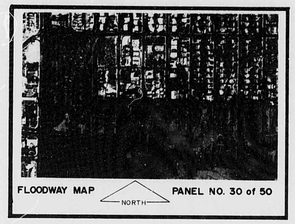
STATE OF NEW MEXICO } ss.
COUNTY OF Bernalillo }

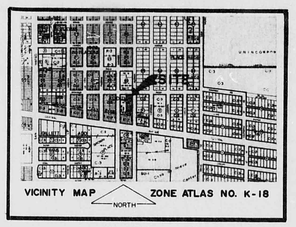
The foregoing instrument was acknowledged before me this 29th day of December, 1988, by Daniel M. Gurney

My Commission Expires: 8-5-91 Notary Public Deborah M. Gurney

DRG 89-12

SECTION 24, T10N, R3E





Architect

FRANK D. LOVE
NEW MEXICO
6446
PROFESSIONAL SURVEYOR
11/14/88
Engineer

PRE-DESIGN CONFERENCE FURNISHED:

1. DRAINAGE PLAN PER D.P.M. GUIDELINES REQUIRED PRIOR TO BUILDING PERMIT RELEASE.
2. SITE IS LOCATED WITHIN A "B" FLOOD ZONE. SITE MAY CONTRIBUTE TO A DOWNSTREAM FLOODING CONDITION.
3. UTILITY MAPS SHOW NO EXISTING STORM SYSTEMS IN THE AREA.
4. IF DEVELOPED RUNOFF IS ROUTED TOWARDS DOMINGO ROAD AND WILL NOT ENTER VALENCIA AND EVENTUALLY BE ROUTED TOWARDS THE FLOODING PROBLEM ON CENTRAL AVENUE, FREE DISCHARGE MAY BE APPROPRIATE.
5. EITHER REPLAT OR EASEMENTS WILL BE REQUIRED FOR CROSS-LOT-LINE DRAINAGE PRIOR TO BUILDING PERMIT RELEASE.

DRAINAGE COMMENTS:

1. THERE IS NO OFF-SITE FLOW ENTERING THE SITE FROM ADJACENT PRIVATE OR PUBLIC PROPERTY.
2. THE SITE DOES NOT LIE WITHIN OR ADJACENT TO A DESIGNATED 100-YEAR FLOOD ZONE.
3. VALENCIA DRIVE FLOWS TO THE NORTH AT THIS PARTICULAR LOCATION. THEREFORE, FLOW FROM THE SITE ENTERING VALENCIA STREET WILL NOT CONTRIBUTE TO THE FLOODING ON CENTRAL AVENUE.

LEGAL DESCRIPTION:

LOTS NUMBERED THIRTEEN (13) THROUGH TWENTY-FIVE (25) INCLUSIVE IN BLOCK NUMBERED THIRTY-SIX (36) OF THE AMENDED PLAT OF TIJERAS PLACE, AN ADDITION TO THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO AS THE SAME ARE SHOWN AND DESIGNATED ON SAID AMENDED PLAT THEREOF FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON AUGUST 24, 1925, VOL. C, FOLIO 23, TOGETHER WITH THE NORTH HALF (N½) OF VACATED ALLEY SOUTH OF AND ADJACENT TO SAID LOT 25.

(VACATED ALLEY PER ASSESSMENT MAP AND SURVEY DATED 2-16-87 BY EDWARD HUGG FLORES, L.S. NO. 4690) - DEED NOT PROVIDED.

BENCH MARK:

CITY OF ALBUQUERQUE VERTICAL CONTROL STATION 5-K18A. STATION IS LOCATED ON THE WEST CURB ALIGNMENT ALBUQUERQUE BETWEEN ALVARADO DR., N.E. AND VALENCIA DR., N.E. ON THE NORTH SIDE OF CENTRAL AVENUE. STATION IS LOCATED 41.4 FEET NORTH FROM THE CENTERLINE OF CENTRAL AVENUE, 0.5 FEET WEST FROM THE CURB LINE OF ALVARADO DRIVE, N.E., AND 190.2 FEET WEST FROM THE CENTERLINE OF VALENCIA DR., N.E. STATION IS A 2" BRASS TABLET SET IN A DRILLED HOLE ON THE SIDEWALK. STATION IS STAMPED "5K18A ACS". ELEVATION = 5277.510 FEET.

TEMPORARY BENCH MARK IS THE TOP OF CAPPED REBAR AT THE SOUTHWEST CORNER OF THE SITE, ELEVATION AS SHOWN.

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY

NOTICE TO CONTRACTOR

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, 1986.
3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF SAID PROPERTY SERVED.
7. THE ADDRESS OF THE PROPERTY SERVED IS 125 VALENCIA NE

APPROVALS:

HYDROLOGY	(NAME)	11/29/88 (DATE)
INSPECTOR	(NAME)	(DATE)
CONSTRUCTION	(NAME)	(DATE)

DRAINAGE CALCULATIONS

SOIL INFORMATION: (REFER TO SCS SOIL SURVEY OF BERNALILLO COUNTY)
SOIL IS Wab. WINK-DONROO COMPLEX, HYDROLOGIC SOIL GROUP "B".

RAINFALL 100-YEAR, 6-HOUR: (REFER TO D.P.M. PLATE 22.2 D-1)
R_6 = 2.3 INCHES.

TIME OF CONCENTRATION: (REFER TO D.P.M. SECTION 22.2, PAGE 3)
THE TEN (10) MINUTES "MINIMUM TIME OF CONCENTRATION.

RAINFALL INTENSITY: (REFER TO PLATE 22.2 D-2)

$I = R_6 \times 6.84 \times Tc^{-0.51} = 2.3 \times 6.84 \times (10)^{-0.51} = 4.86$ INCHES PER HOUR.

CURVE NUMBERS: (REFER TO D.P.M. PLATE 22.2 C-2)

	CN	EXISTING AREA	NEW AREA
EXISTING PERVIOUS	70	20673	-
BUILDING AND PAVEMENT	98	11763	31298
LANDSCAPING	61	637	1375
UNPAVED GRAVEL	85	-	-
UNPAVED DIRT	82	-	-
TOTAL AREA		32673 = 0.75 AC	32673

WEIGHTED CURVE NUMBER (CN_w):
EXISTING CN_w = 80 DEVELOPED CN_w = 96

RUNOFF RUNOFF: (REFER TO D.P.M. PLATE 22.2 C-4)
EXISTING Q_p = 0.75 DEVELOPED Q_p = 1.90

RUNOFF COEFFICIENTS: (REFER TO "NOTICE OF EMERGENCY RULE", CITY OF ALBUQUERQUE, JANUARY 14, 1986).

	"C"	EXISTING AREA	NEW AREA
UNDEVELOPED	0.40	20673	-
LAWN AND LANDSCAPING	0.25	637	1375
ROOFS	0.90	2790	14530
STREETS, DRIVES, WALKS	0.95	8973	16768
TOTAL AREAS		32673	32673

WEIGHTED "C" FACTORS: EXISTING "C" = 0.59 DEVELOPED "C" = 0.90

EXISTING CONDITIONS:

RUNOFF BY RATIONAL EQUATION, Q = CIA
Q = 0.59 X 4.86 X 0.75 = 2.15 CFS

VOLUME BY SCS METHOD, V = A(Q_p / 12), WHERE A = AREA IN SQUARE FEET.
V = 32673 (0.75 / 12) = 2042 CF

DEVELOPED CONDITIONS:

Q = 0.90 X 4.86 X 0.75 = 3.28 CFS
V = 32673 (1.90 / 12) = 5173 CF

AREA A - RUNOFF TO DOMINGO DRIVE:

AREA = 100% OF (66% OF TOTAL SITE AREA)
DEVELOPED FLOW = 3.44 X 3.28 = 1.44 CFS
CHECK CAPACITY OF SWALE. THE SWALE 4' WIDE x" DEEP, 4:1 SIDE SLOPES.
USE MANNING'S EQUATION: $Q = A(1.486/n)r^{2/3}s^{1/2}$ $A = (4 (0.5)/2 = 1.00)$
$R = A/P = 1.00/2.24 = 0.2488$ $r = 0.2488^{2/3} = 0.4$ $S = 0.01$
$Q = 1.0(1.486/0.0)(0.2488^{2/3})(0.01^{1/2}) = 1.45$ CFS > 1.44 CFS (ADEQUATE)

AREA B - RUNOFF TO VALENCIA THROUGH ON CULVERT:

AREA = 100% OF (34% OF TOTAL SITE AREA)
DEVELOPED FLOW = 3.34 X 3.28 = 1.12 CFS

CHECK ON CULVERT CAPACITY - ASSUME 15' WIDE WITH 1" DEEP DUE TO ENTRANCE LOSSES. USE MANNING'S EQUATION $Q = A(1.486/n)r^{2/3}s^{1/2}$ $A = 0.25$
$P = 15.5 + 4(1) = 3.25$ $r = 0.25/3.25 = 0.1667$ $r = 0.0453$ $S = 0.02$
$Q = 0.25(1.486/0.0)(0.0330)(0.1667^{2/3})(0.02^{1/2}) = 1.22$ CFS > 1.12 CFS (ADEQUATE)

LEGEND:

EXISTING	NEW	DESCRIPTION
MH		MANHOLE
PP		POWER POLE
FH		FIRE HYDRANT
WM		WATER METER
WV		WATER VALVE
PH		PHONE RISER
LP		LIGHT POLE
OH		OVERHEAD POWER LINE
GL		GAS LINE (UNDERGROUND)
W		WATERLINE
SAN		SANITARY SEWER LINE
5278	78	SPOT ELEVATION
		CONTOUR
		SWALE

RECEIVED NOV 29 1988 HYDROLOGY SECTION

G.W. Walker & Company
ARCHITECTS • CONTRACTORS • DEVELOPERS
150 Louisiana n.e.
Albuquerque, New Mexico 87108
Phone (505) 268-4551

CRISMORE WAREHOUSE ADD'N & OFFICE ALTERATION
125 VALENCIA STREET NE
ALBUQUERQUE, NEW MEXICO

proj. no.	5-86
dwn. by	FLA
app. by	RPB
date	
revisions	

Sheet No. 2-3 of

RR 22 DATE 6-23-93 OP

CITY OF ALBUQUERQUE

This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the PUBLIC WORKS DEPARTMENT - HYDROLOGY DIVISION and was filmed in the normal course of business. The photographic processes used meet the Basic Microfilm Standards of the National Micrographics Association (NMA115-1977).

CITY CLERK RECORDER

OFFICIAL SEAL NORBERTA SANCHEZ NOTARY PUBLIC STATE OF NEW MEXICO My Commission Expires: May 8, 1995

THIS PLAN SHOT TWICE ONCE ON LIGHT AND ONCE ON DARK.

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

PLANS/PLATS ON FILE

FILE DESC: K-18/0054

PLANS/PLATS 2

F 30 D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D F

PLAT OF TRACT B, BLOCK 36 TIJERAS PLACE ADDITION WITHIN SECTION 24, T.10 N., R.3 E., N.M.P.M. CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO NOVEMBER 1988

8811539

FEB 14 1989

HYDROLOGY SECTION

TALOS 12-29-2503

1"=40'

K-18-Z

SITE

DOMINGO ROAD NE (60' R.O.W.)

VALENCIA DRIVE NE (60' R.O.W.)

TRACT B
BLK. 36
32614.49 sq. ft.

N89°47'00"E 85.00'
S00°13'00"E 318.24'
N00°13'00"W 320.21'
N82°41'00"W 100.88'
R=15.00' L=23.56' Δ=90°00'00"
ADDITIONAL R.O.W. DEDICATED BY THIS PLAT (SOUTH)
75' RETAINING WALL EASEMENT (PUBLIC IMPROVEMENTS)
5' UTILITY EMMT FILED 02/29/64 VOL. C5, FOLIO 186
TIJERAS PLACE ADD. FILED AUG. 24, 1923 VOL. C, FOLIO 21
PARCEL A, TIJERAS PLACE ADD. N. FILED NOV. 26, 1986 VOL. C36, FOLIO 186

LEGAL DESCRIPTION AND FREE CONSENT

The undersigned owner(s) of the land herein shown do hereby consent to the Replat of the land herein shown:

Lots numbered thirteen (13) thru twenty-five (25) inclusive in Block numbered thirty-six (36) of the Amended Plat of TIJERAS PLACE, an Addition to the City of Albuquerque, Bernalillo County, New Mexico as the same is shown and designated on said Amended Plat thereof filed in the office of the County Clerk of Bernalillo County, New Mexico on August 24, 1923, Vol. C, Folio 21, together WITH the North half (N 1/2) of vacated alley South of and adjacent to said Lot 25.

Said owner(s) do hereby consent and in accordance with the desires of the undersigned owner(s) do hereby grant and hereby dedicates additional right-of-way as shown hereon.

Owner(s) Don Chismore and Sharon Chismore 12-14-88 Date

ACKNOWLEDGEMENT

STATE OF NEW MEXICO }
COUNTY OF BERNALILLO } ss.

The foregoing instrument was acknowledged before me this 14th day of December, 1988, by Don Chismore and Sharon Chismore

My Commission Expires: 9-14-91
Notary Public Sammy Jackson

CITY/COUNTY APPROVALS:

Property Management	Date 1-5-89
Real Property Division	Date 01/03/89
Chief Hydrologist	Date 1-23-89
City Engineer	Date 1/31/89
A.M.A.F.C.O.	Date 1/31/89
Traffic Engineer	Date 1/31/89
Parks and Recreation	Date 1-27-89
Chief Planning Director	Date 2-13-89

SURVEYOR'S CERTIFICATION SR-87-51

I, Franklin E. Wilson, a registered Professional Land Surveyor in the State of New Mexico, do hereby certify that I have prepared this plat and that it is true and correct to the best of my knowledge and belief.

Franklin E. Wilson, N.M.L.S. No. 6446 Date

SOUTHWEST SURVEYING CO., INC.
3011 Eubank, N.E., Albuquerque, New Mexico 87112
(505) 237-4444

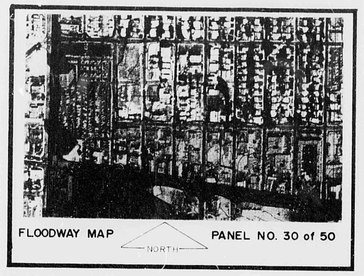
ACKNOWLEDGEMENT
STATE OF NEW MEXICO } ss.
COUNTY OF BERNALILLO }

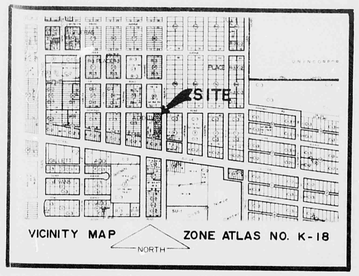
The foregoing instrument was acknowledged before me this 27th day of November, 1988, by Franklin E. Wilson.

My Commission Expires: 2-2-91
Notary Public

DRB 89-12

SECTION 24, T10N, R3E





PRE-DECISION CONFERENCE FINDINGS:

1. DRAINAGE PLAN PER D.P.M. GUIDELINES REQUIRED PRIOR TO BUILDING PERMIT RELEASE.
2. SITE IS LOCATED WITHIN A "B" FLOOD ZONE. SITE MAY CONTRIBUTE TO A DOWNSTREAM FLOODING CONDITION.
3. UTILITY MAPS SHOW NO EXISTING STORM SYSTEMS IN THE AREA.
4. IF DEVELOPED RUNOFF IS ROUTED TOWARDS DOMINGO ROAD AND WILL NOT ENTER VALENCIA AND EVENTUALLY BE ROUTED TOWARDS THE FLOODING PROBLEM ON CENTRAL AVENUE, FEE INSTEAD OF PAY IS APPROPRIATE.
5. EITHER REPLAT OR EASEMENTS WILL BE REQUIRED FOR CROSS-LOT-LINE DRAINAGE PRIOR TO BUILDING PERMIT RELEASE.

DRAINAGE COMMENTS:

1. THERE IS NO OFF-SITE FLOW ENTERING THE SITE FROM ADJACENT PRIVATE OR PUBLIC PROPERTY.
2. THE SITE DOES NOT LIE WITHIN OR ADJACENT TO A DESIGNATED 100-YEAR FLOOD ZONE.
3. VALENCIA DRIVE FLOWS TO THE NORTH AT THIS PARTICULAR LOCATION. THERE-FORE, FLOW FROM THE SITE ENTERING VALENCIA STREET WILL NOT CONTRIBUTE TO THE FLOODING ON CENTRAL AVENUE.

LEGAL DESCRIPTION:

LOTS NUMBERED THIRTEEN (13) THROUGH TWENTY-FIVE (25) INCLUSIVE IN BLOCK NUMBERED THIRTY-SIX (36) OF THE AMENDED PLAT OF TIJERAS PLACE, AN ADDITION TO THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO AS THE SAME ARE SHOWN AND DESIGNATED ON SAID AMENDED PLAT THEREOF FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON AUGUST 24, 1923, VOL. C, FOLIO 21, TOGETHER WITH THE NORTH HALF (N1/2) OF VACATED ALLEY SOUTH OF AND ADJACENT TO SAID LOT 25.

(VACATED ALLEY PER ASSESSMENT MAP AND SURVEY DATED 2-16-87 BY HOWARD ROSS SURVEY, L.S. NO. 5640. THIS NOT PROVIDED.)

BENCH MARK:

CITY OF ALBUQUERQUE VERTICAL CONTROL STATION 0-K18A. STATION IS LOCATED 0.1 MILES EAST OF DOWNTOWN ALBUQUERQUE BETWEEN LAMBERT DR., N.E. AND VALENCIA DR., N.E., ON THE NORTH SIDE OF CENTRAL AVENUE. STATION IS LOCATED 6.4 + FEET NORTH FROM THE CENTERLINE OF CENTRAL AVENUE, 19.0 FEET EAST FROM THE CENTER-LINE OF ALBERADO DRIVE, N.E. AND 30.2 FEET WEST FROM THE CENTERLINE OF VALENCIA DR., N.E. STATION IS A 2" BRASS TABLET SET IN A DRILLED HOLE ON THE SIDEWALK. STATION IS STAMPED "0-K18A 1982", ELEVATION = 5277.910 FEET.

TEMPORARY BENCH MARK IS THE TOP OF CAPPED REBAR AT THE SOUTHWEST CORNER OF THE SITE, ELEVATION AS SHOWN.

CITY OF ALBUQUERQUE
DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY
NOTICE TO CONTRACTOR

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS, TO BE PERFORMED, EXCEPT AS OTHERWISE STATED ON PROVIDED PLANS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, 1986.
3. THE CITY WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT CITY LOCATING SERVICE, (766-6220), FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL INTERFERENCES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO: RESIDENTIAL (TYPE) USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF DATA PROPERTY SERVED.
7. THE ADDRESS OF THE PROPERTY SERVED IS: 125 VALENCIA NE

APPROVALS:

FOREMAN	Barry J. Montoya	11/17/88
INSPECTOR		
CONTRACTOR		
INSPECTION		

DRAINAGE CALCULATIONS

SOIL INFORMATION: (REFER TO SCS SOIL SURVEY OF BERNALILLO COUNTY)
SOIL IS web. WINA-ENBROG COMPLEX, HYDROLOGIC SOIL GROUP "B".

RAINFALL, 100-YEAR, 6-HOUR: (REFER TO D.P.M. PLATE 22.2 D-1)
P_6 = 2.3 INCHES.

TIME OF CONCENTRATION: (REFER TO D.P.M. SECTION 22.2, PAGE 3)
USE TEN (10) MINUTES, MINIMUM TIME OF CONCENTRATION.

RAINFALL INTENSITY: (REFER TO PLATE 22.2 D-2)
$I = P_6 (6.84 \times T_c^{-0.51}) = 2.3 (6.84 \times (10)^{-0.51}) = 4.86$ INCHES PER HOUR.

CURVE NUMBERS: (REFER TO D.P.M. PLATE 22.2 D-2)

	CN	EXISTING AREA	NEW AREA
EXISTING PERVIOUS	70	20475	-
BUILDINGS AND PAVEMENT	98	11763	31298
LANDSCAPING	61	437	1375
UNPAVED GRAVEL	85	-	-
UNPAVED DIRT	82	-	-
TOTAL AREAS		32673 = 0.75 AC	32673

WEIGHTED CURVE NUMBER (CN_w):
EXISTING CN_w = 80 DEVELOPED CN_w = 98

DIRECT RUNOFF: (REFER TO D.P.M. PLATE 22.2 D-4)
EXISTING Q_p = 0.75 DEVELOPED Q_p = 1.90

RUNOFF COEFFICIENTS: (REFER TO "NOTICE OF EMERGENCY RULE", CITY OF ALBUQUERQUE, JANUARY 14, 1988)

	"C"	EXISTING AREA	NEW AREA
UNDEVELOPED	0.40	20475	-
LAWNS AND LANDSCAPING	0.35	437	1375
roofs	0.90	11763	14500
STREETS, DRIVES, WALKS	0.95	8973	16798
TOTAL AREAS		32673	32673

WEIGHTED "C" FACTORS: EXISTING "C" = 0.39 DEVELOPED "C" = 0.90

EXISTING CONDITIONS:
RUNOFF BY RATIONAL METHOD, Q = CIA
Q = 0.39 x 4.86 x 0.75 = 2.25 CFS
RUNOFF BY SCS METHOD, Q = Q_p (A) / (12)
V = (2673) (0.75 / 12) = 1042 CF

DEVELOPED CONDITIONS:
Q = (0.90) x 4.86 x 0.75 = 3.28 CFS
V = (2673) (1.90) / 12 = 5173 CF

AREA A - RUNOFF TO DOMINGO DRIVE:
AREA = 18286 SF (44% OF TOTAL SITE AREA)
DEVELOPED FLOW = 0.44 x 3.28 = 1.44 CFS
CHECK CAPACITY OF SWALE. THE SWALE 4' WIDE 6" DEEP, all SIDE SLOPES.
USE MANNING'S EQUATION Q = $A(1.486/N)R^{2/3}S^{1/2}$ A = (4 + 0.5)/2 = 1.25SF
R = A/P = (1.25)/(4 + 0.5SQRT(2)) = 0.21FT S = 0.01
Q = (1.25)(1.486/0.015)(0.21)^2/3(0.01)^1/2 = 1.45 CFS > 1.44 CFS (ADEQUATE)

AREA B - RUNOFF TO VALENCIA THROUGH 5' CULVERT:
AREA = 15478 SF (56% OF TOTAL SITE AREA)
DEVELOPED FLOW = 0.56 x 3.28 = 1.84 CFS
CHECK CULVERT CAPACITY. ASSUME 3' WIDE WITH 3" DEEP DUE TO ENTRANCE CONDITIONS. USE MANNING'S EQUATION Q = $A(1.486/N)R^{2/3}S^{1/2}$ A = (3)(.25) = .75
P = 3.5 R = A/P = (.75)/(3.5 + 0.25SQRT(2)) = 0.2FT S = 0.01
Q = (.75)(1.486/0.015)(0.2)^2/3(0.01)^1/2 = 1.22 CFS < 1.84 CFS (ADEQUATE)

LEGEND:

EXISTING	NEW	DESCRIPTION
MH		MANHOLE
PP		POWER POLE
FH		FIRE HYDRANT
WV		WATER METER
WV		WATER VALVE
PM		PHONE RISER
LP		LIGHT POLE
OH		OVERHEAD POWER LINE
— — — —		GAS LINE (UNDERGROUND)
— — — —		WATER LINE
— — — —		SANITARY SEWER LINE
5278		SPOT ELEVATION
		CONTOUR
		SWALE

78

Architect

Engineer

G.W. Walker & Company
ARCHITECTS • CONTRACTORS • DEVELOPERS
150 Louisiana n.e.
Albuquerque, New Mexico
87108
Phone (505) 268-4551

CRISMORE WAREHOUSE
ADD'N & OFFICE ALTERATION
125 VALENCIA STREET NE
ALBUQUERQUE, NEW MEXICO

proj. no.	5-88
dwn. by	FLA
app. by	RPB
date	
revisions	

Sheet No. 2-3 of

THIS PLAN SHOT TWICE
ONCE ON LIGHT AND
ONCE ON DARK.

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST
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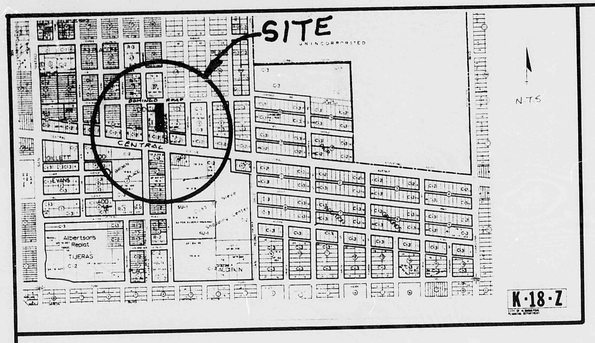
CITY CLERK RECORDER
OFFICIAL SEAL NORBERTA SANCHEZ NOTARY PUBLIC STATE OF NEW MEXICO
My Commission Expires MAY 8 1992

D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D



TALOS 12-29-2503

N

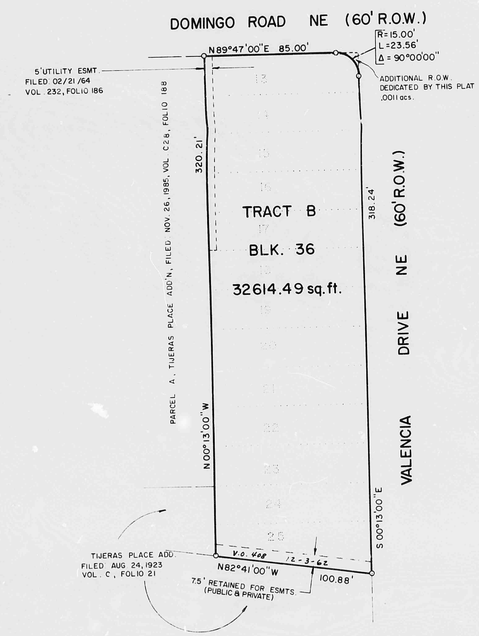
1"=40'

PLAT OF TRACT B, BLOCK 36 TIJERAS PLACE ADDITION WITHIN SECTION 24, T.10 N., R.3 E., N.M.P.M. CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO NOVEMBER 1988

8911559

RECEIVED FEB 15 1989 HYDROLOGY SECTION

State of New Mexico } SS
County of Bernalillo
This instrument was filed for record on FEB 14 1989 at 3:51 o'clock P.M. and recorded in Vol. C-38 Folio 122 of records of said County
Witness my hand and seal of office Clerk & Recorder
Deputy Clerk



DISCLOSURE STATEMENT: The purpose of this Replat is to eliminate lot lines for building expansion, drainage, and traffic control, and make one lot.

GENERAL NOTES:

1) Basis of Bearings = TIJERAS PLACE ADDITION, filed August 24, 1923, Vol. C; folio 21.
2) No field work performed.
3) Plat shows all easements of record.

SUBDIVISION DATA:

1) DRB No. 89-12
2) Zone Atlas Index No. K-18-Z
3) Gross Subdivision Acreage 32614.49 ±
4) Number of Tracts Created 1
5) No. Streets Created Or Deleted With This Plat 0

LEGAL DESCRIPTION AND FREE CONSENT

The undersigned owner(s) of the land hereon shown do hereby consent to the Replat of the land hereon shown:

Lots numbered Thirteen (13) thru Twenty-five (25) inclusive in Block numbered Thirty-six (36) of the Amended plat of TIJERAS PLACE, an Addition to the City of Albuquerque, Bernalillo County, New Mexico as the same is shown and designated on said Amended Plat thereof filed in the office of the County Clerk of Bernalillo County, New Mexico on August 24, 1923, Vol. C, folio 21. TOGETHER WITH the North half (N 1/2) of vacated alley South of and adjacent to said Lot 25.

and is with the free consent and in accordance with the desires of the undersigned owner(s) and proprietor(s) thereof and hereby dedicates additional right-of-way as shown hereon.

Don Crismore & Sharon Crismore 12-14-88
Owner(s) DON CRISMORE SHARON CRISMORE Date

ACKNOWLEDGEMENT

STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 14th day of December, 1988, by: Don Crismore and Sharon Crismore.

My Commission Expires: 9-11-91
Notary Public

CITY/COUNTY APPROVALS:

Property Management	1-5-89 Date
City Surveyor	010389 Date
City Water Resources	1-23-89 Date
City Engineer	1/17/89 Date
A.M.A.F.C.A.	1/17/89 Date
Traffic Engineer	1/17/89 Date
Parks and Recreation	1-17-89 Date
City Planning Director SP-89-51	2-13-89 Date

SURVEYOR'S CERTIFICATION

I, Franklin E. Wilson, a registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat was prepared by me or under my supervision, meets the minimum requirements of monumentation and surveys of the Albuquerque Subdivision Ordinance, and that it is true and correct to the best of my knowledge and belief.

11-29-88
Franklin E. Wilson, N.M.L.S. No. 6446 Date

SOUTHWEST SURVEYING CO., INC.
333 Lomas Blvd. N.E., Albuquerque, New Mexico 87102
(505) 247-4444

ACKNOWLEDGEMENT
STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 29th day of November, 1988, by Franklin E. Wilson.

My Commission Expires: 8-8-91
Notary Public

DANIEL M. GRANEY NOTARY PUBLIC STATE OF NEW MEXICO Notary Bond Filed with Secretary of State

K18/D34

DRB 89-12 SECTION 24, T.10N. R.3E.

CITY OF ALBUQUERQUE
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R# 22 DATE 6-25-92 OP ESP

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CITY CLERK RECORDER

OFFICIAL SEAL NORBERTA SANCHEZ NOTARY PUBLIC STATE OF NEW MEXICO My Commission Expires: MAY 8 1992

C 20 B 16 A 12

CITY OF ALBUQUERQUE