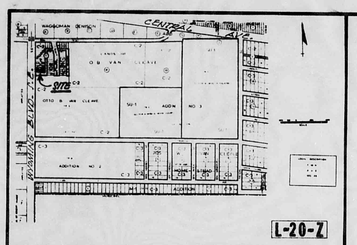
PUBLIC WORKS/HYDROLOGY

L20/D45

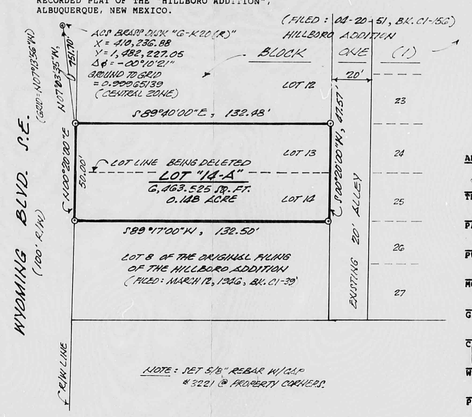


VICINITY MAP

NORTH
SCALE: 1" = 30'

DISTANCES SHOWN ARE "GROUND".

NOTE: BEARINGS ARE REFERENCED TO THE AFOREMENTIONED RECORDED PLAT OF THE "HILLBORO ADDITION", ALBUQUERQUE, NEW MEXICO.



89101604

PLAT SHOWING LOT "14-A"

COMPRISING A REPLAT OF LOTS 13 & 14
BLOCK ONE (1)
HILLBORO ADDITION
ALBUQUERQUE, NEW MEXICO
NOVEMBER, 1989

RECEIVED
DEC 01 1989
HYDROLOGY SECTION

County of Bernalillo } SS
This instrument was filed for record on NOV 29 1989
at 11:37 o'clock AM. Recorded in Vol. ___ of records of said County Folio ___
Clerk & Recorder
Deputy Clerk

SUBDIVISION DATA:

CASE NO. ___
ZONE ATLAS INDEX NO. "L-20-Z"
GROSS SUBDIVISION ACREAGE 0.148 AC.
TOTAL NO. OF LOTS CREATED ONE (1)
TOTAL MILEAGE OF FULL WIDTH STREETS CREATED -0- MILES.
DATE OF SURVEY N/A
D.R.B. NO. 89-523
TAX CODE NO. 1-020-056-012-491-20611
TALOS LOG NO. 11-06-552

APPROVED AND ACCEPTED BY:

TRAFFIC ENGINEER, TRANSPORTATION DEPT.	DATE 11/16/89
PARKS AND RECREATION DEPT.	DATE
PUBLIC SERVICE CO. OF NEW MEXICO	DATE
MOUNTAIN BELL TELEPHONE CO.	DATE
GAS CO. OF NEW MEXICO	DATE
CHIEF CITY SURVEYOR, ENG. DIV.	DATE
WATER RESOURCES DEPT.	DATE 11-15-89
PROPERTY MANAGEMENT	DATE
A.M.A.F.C.A.	DATE
CITY ENGINEER, ENG. DIV.	DATE

APPROVAL and CONDITIONAL ACCEPTANCE as specified by the Albuquerque Subdivision Ordinance, Article XI of Chapter 7 of the Revised Ordinances of Albuquerque, New Mexico.

CITY/COUNTY PLANNER ALBUQUERQUE/BERNALILLO COUNTY PLANNING DIV.	DATE

LEGAL DESCRIPTION AND FREE CONSENT STATEMENT:

THE FOREGOING REPLAT OF THAT CERTAIN PARCEL OF LAND SITUATE WITHIN THE CITY LIMITS OF THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 4 EAST, NEW MEXICO PRINCIPAL MERIDIAN; BEING AND COMPRISING A REPLAT OF LOTS THIRTEEN (13) AND FOURTEEN (14), IN BLOCK ONE (1), HILLBORO ADDITION, AN ADDITION TO THE CITY OF ALBUQUERQUE, NEW MEXICO, AS SHOWN ON THE "BUSINESS REPLAT OF LOTS 1-4 INCL., 6, 7, & 9-25, INCL., HILLBORO ADDITION, ALBUQUERQUE, NEW MEXICO", FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON APRIL 20, 1951, [BK. C1-156].

REPLATTED, AND NOW BEING IDENTIFIED AS LOT "14-A", IN BLOCK ONE (1), OF THE HILLBORO ADDITION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, WITH THE FREE CONSENT OF, AND IN ACCORDANCE WITH THE WISHES AND DESIRES OF THE UNDERSIGNED OWNER(S) AND PROPRIETOR(S); THEREOF.

AVIE CHAVEZ, (A MARRIED MAN)

ACKNOWLEDGEMENT:

STATE OF NEW MEXICO)
COUNTY OF ( ) SS:

ON THIS ___ DAY OF ___, 19__, BEFORE ME, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BY THE PERSON(S) DESCRIBED HEREIN, AND THAT SAID PERSON(S) ACKNOWLEDGED THE SAME AS THEIR OWN FREE ACT AND DEED.

NOTARY PUBLIC

MY COMMISSION EXPIRES: ___

SURVEYOR'S CERTIFICATION:

I, JOHN B. TORRES, NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR NO. 3221, LICENSED AND REGISTERED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY SUPERVISION AND DIRECTIONS, SHOWS ALL EASEMENTS OF RECORD, MEETS MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, AND IS ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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

ACKNOWLEDGEMENT:

ON THIS ___ DAY OF ___, 198__, BEFORE ME, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BY JOHN B. TORRES, N.M.R.P.L.S. NO. 3221, AS HIS OWN FREE ACT AND DEED.

NOTARY PUBLIC: ___ DATE: ___

PLANS/PLATS ON FILE

FILE DESC: L20/D45

PLANS/PLATS 2

PLAN SHOT TWICE ONCE ON LIGHT ONCE ON DARK

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

R# 28 DATE 3-27-02 OP E.G.P.

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 and was created in the normal course of business.

The photographic process used is the Basic Microfilm Standards of the National Micrographics Association (MS1A5-1977)

DIRECTOR

NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 07/02/02

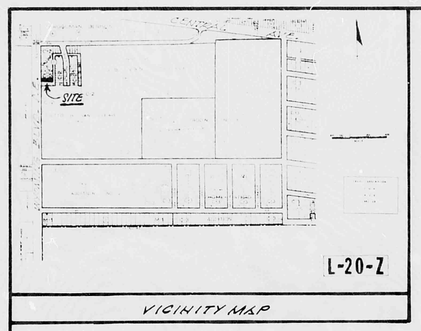
D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D

C B A

89101304

PLAT SHOWING LOT "14-A"

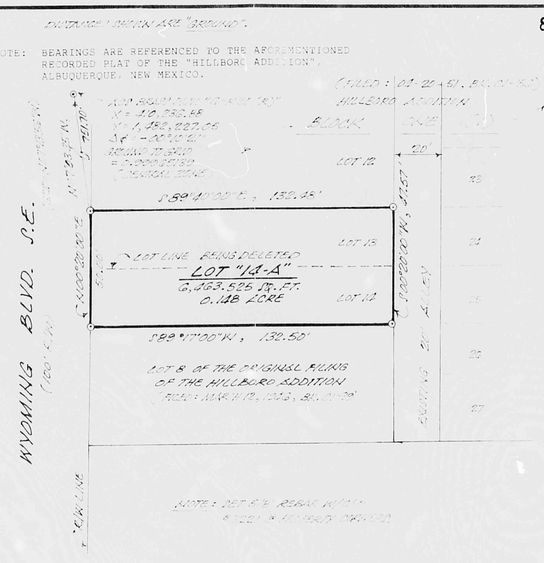
COMPRISING A REPLAT OF
LOTS 13 & 14
BLOCK ONE (1)
HILLBORO ADDITION
ALBUQUERQUE, NEW MEXICO
NOVEMBER, 1989



VICIHITY MAP

NORTH
SCALE: 1" = 30'

NOTE: BEARINGS ARE REFERENCED TO THE AFOREMENTIONED RECORDED PLAT OF THE "HILLBORO ADDITION", ALBUQUERQUE, NEW MEXICO.



SUBDIVISION DATA:

CASE NO. _____
ZONE ATLAS INDEX NO. "L-20-Z"
GROSS SUBDIVISION ACREAGE 0.146 A.
TOTAL NO. OF LOTS CREATED ONE (1)
TOTAL MILEAGE OF FULL WIDTH STREETS CREATED -0- MILES.
DATE OF SURVEY N/A
D.R.B. NO. 89-523
TAX CODE NO. 1-020-058-012-421-20611
TALOS LOG NO. 11-06-552

LEGAL DESCRIPTION AND FREE CONSENT STATEMENT:

THE FOREGOING REPLAT OF THAT CERTAIN PARCEL OF LAND SITUATE WITHIN THE CITY LIMITS OF THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, IN SECTION 29, TOWNSHIP 10 NORTH, RANGE 4 EAST, NEW MEXICO PRINCIPAL MERIDIAN; BEING AND COMPRISING A REPLAT OF LOTS THIRTEEN (13) AND FOURTEEN (14), IN BLOCK ONE (1), HILLBORO ADDITION, AN ADDITION TO THE CITY OF ALBUQUERQUE, NEW MEXICO, AS SHOWN ON THE "BUSINESS REPLAT OF LOTS 1-4 INCL., 6, 7, & 9-25, INCL., HILLBORO ADDITION, ALBUQUERQUE, NEW MEXICO", FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON APRIL 20, 1951, (BK. C1-156).

REPLATTED, AND NOW BEING IDENTIFIED AS LOT "14-A", IN BLOCK ONE (1), OF THE HILLBORO ADDITION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, WITH THE FREE CONSENT OF, AND IN ACCORDANCE WITH THE WISHES AND DESIRES OF THE UNDERSIGNED OWNER(S) AND PROPRIETOR(S) THEREOF.

_____
AVIE CHAVEZ, (A MARRIED MAN)

ACKNOWLEDGEMENT:

STATE OF NEW MEXICO)
COUNTY OF _____) ss:

ON THIS _____ DAY OF _____, 19__, BEFORE ME, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BY THE PERSON(S) DESCRIBED HEREIN, AND THAT SAID PERSON(S) ACKNOWLEDGED THE SAME AS THEIR OWN FREE ACT AND DEED.

_____
NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

APPROVED AND ACCEPTED BY:

TRAFFIC ENGINEER, TRANSPORTATION DEPT.	DATE
PARKS AND RECREATION DEPT.	DATE
PUBLIC SERVICE CO. OF NEW MEXICO	DATE
MOUNTAIN BELL TELEPHONE CO.	DATE
GAS CO. OF NEW MEXICO	DATE
CHIEF CITY SURVEYOR, ENG. DIV.	DATE 11-15-89
WATER RESOURCES DEPT.	DATE
PROPERTY MANAGEMENT	DATE
A.M.A.F.C.A.	DATE
CITY ENGINEER, ENG. DIV.	DATE

APPROVAL and CONDITIONAL ACCEPTANCE as specified by the Albuquerque Subdivision Ordinance, Article XI of Chapter 7 of the Revised Ordinances of Albuquerque, New Mexico.

_____
CITY/COUNTY PLANNER — DATE
ALBUQUERQUE/BERNALILLO COUNTY PLANNING DIV.

SURVEYOR'S CERTIFICATION:

I, JOHN B. TORRES, NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR NO. 3221, LICENSED AND REGISTERED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY SUPERVISION AND DIRECTIONS, SHOWS ALL EASEMENTS OF RECORD, MEETS MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, AND IS ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

_____
JOHN B. TORRES, N.M.R.P.L.S. NO. 3221

ACKNOWLEDGEMENT:

ON THIS _____ DAY OF _____, 198__, BEFORE ME, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BY JOHN B. TORRES, N.M.R.P.L.S. NO. 3221, AS HIS OWN FREE ACT AND DEED.

NOTARY PUBLIC: _____ DATE: _____

State of New Mexico) ss
County of Bernalillo)
This instrument was filed for record on NOV 29 1989
At 1:27 o'clock P.M. Recorded in Vol. ___
of records of said County Folio ___
Stanley B. Lewis Clerk & Recorder
_____ Deputy Clerk

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

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

R# 28 DATE 3-29-02 OP EQP

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** and was created in the normal course of business.

The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (MS115-1977)

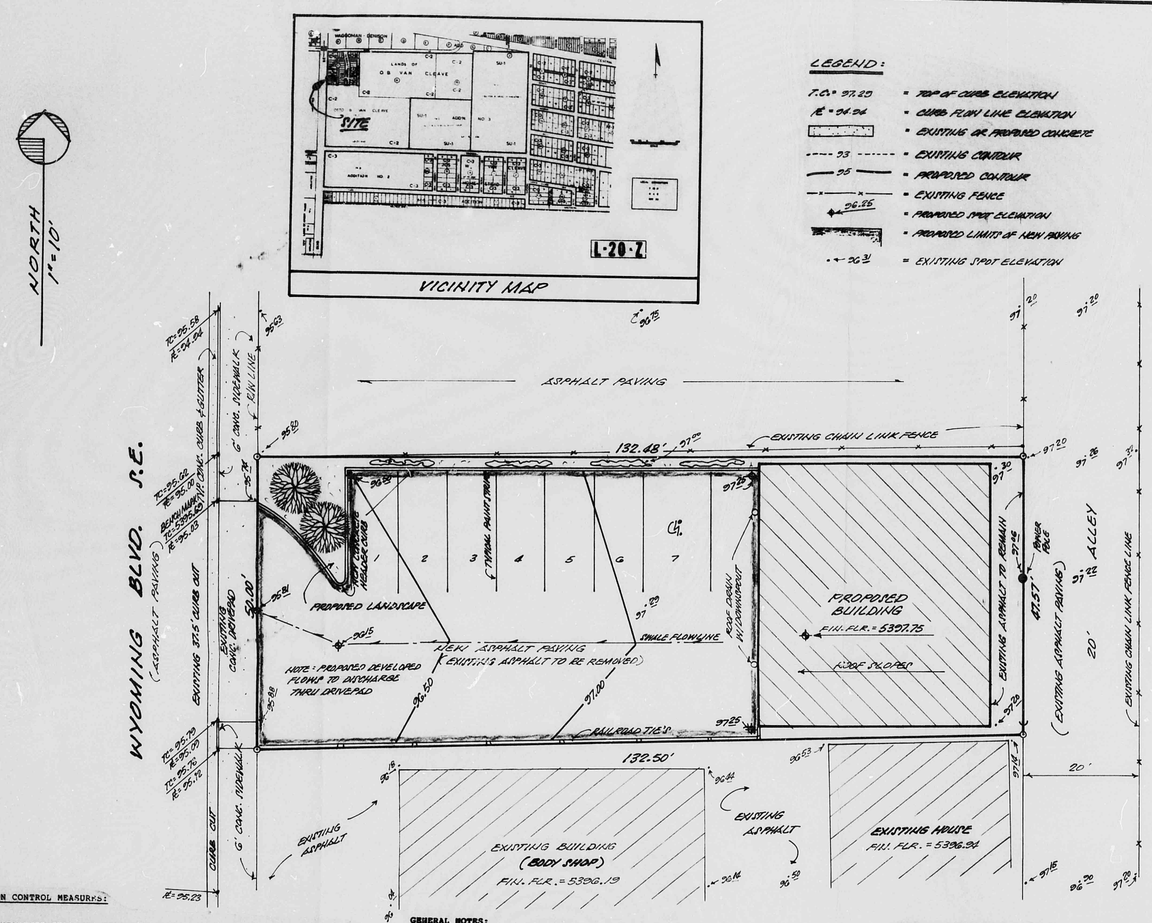
Chas. T. Adler 4/5/02
DIRECTOR

Roberta Duran
NOTARY PUBLIC

OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
07/07/02

C 20 B 16 A 12

CITY OF ALBUQERQUE C



DRAINAGE COMMENTS:

THE FOLLOWING ITEMS CONCERNING THE SUBJECT SITE ARE CONTAINED ON THE GRADING AND DRAINAGE PLAN AS SHOWN HEREON:

1.) SITE GRADING AND DRAINAGE PLAN
2.) VICINITY MAP
3.) LEGAL DESCRIPTION
4.) LIMITS AND CHARACTER OF THE EXISTING AND PROPOSED IMPROVEMENTS
5.) HYDRAULIC DRAINAGE CALCULATIONS

AS SHOWN ON THE VICINITY MAP HEREON THE SUBJECT SITE IS LOCATED ON THE EAST SIDE O. WYOMING BLVD. S.E., APPROXIMATELY 350.0' SOUTH OF THE INTERSECTION OF WYOMING BLVD. S.E. AND ZUNI ROAD S.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (CITY ZONE ATLAS MAP "L-20-Z").

THE PROJECT SITE, (1.) DOES NOT LIE WITHIN A FLOOD PLAIN, (2.) DOES NOT LIE ADJACENT TO A NATURAL OR ARTIFICIAL WATER COURSE, (3.) HAS NO DRAINAGE EASEMENTS ON THE PROPERTY.

BASED ON A SITE INVESTIGATION, IT HAS BEEN DETERMINED THAT THE FREE DISCHARGE OF SURFACE FLOWS OF THE EXISTING AND PROPOSED QUANTITIES HAVE NO ADVERSE AFFECT ON DOWNSTREAM PROPERTIES.

DRAINAGE CALCULATIONS:

I. REFERENCES:

A. CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM), VOL. 2, DESIGN CRITERIA, CHAPTER 22, DRAINAGE, FLOOD CONTROL AND EROSION CONTROL.

B. SOIL SURVEY OF BERNALILLO COUNTY AND PARTS OF SANDOVAL AND VALENCIA COUNTIES, NEW MEXICO, UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, (SCS SHEET No. 31).

II. GENERAL INFORMATION:

A. SOIL TYPE: SOIL TYPE IS "MWA", MADUREZ-WINK ASSOCIATION, GENTLY SLOPING TERRAIN.

B. IMPERVIOUSNESS:

SITE AREA = 0.148 ACRES, (6,463.5 SQ. FT.).
PRESENT UNDEVELOPED "C" FACTOR = 0.40

C. TYPE OF SURFACE (DEVELOPED):

HARD SURFACED (ASPHALT/GRAVEL)	= 0.09 AC.	=60 % X (C=0.95)	= 0.57
BUILDING ROOF AREA	= 0.04 AC.	=27 % X (C=0.90)	= 0.24
LANDSCAPED AREA	= 0.01 AC.	=07 % X (C=0.25)	= 0.02
UNDEVELOPED AREA	= 0.01 AC.	=06 % X (C=0.40)	= 0.02
		AVERAGE "WEIGHTED" "C"	= 0.85

D. RAINFALL, 100-YR., 6-HR., R_6: (SEE REF. A., PLATE 22.2 D-1)
R_6 = 2.4 INCHES.

E. TIME OF CONCENTRATION, T_c = TEN (10) MINUTES FOR A SITE THIS SIZE.

F RAINFALL INTENSITY, "I", (SEE REF. A., PLATE 22.2 D-2)
$I = R_6 \times 6.84 \times T_c^{-0.51} = 2.4 \times 6.84 \times (10)^{-0.51} = 5.07$ IN./HR.

III. PEAK DISCHARGE: (Q = CIA)

UNDEVELOPED: $Q_{100} = 0.40 \times 5.07 \times 0.148 = 0.30$ cfs

$Q_{10} = 0.657 \times 0.30 = 0.20$ cfs

DEVELOPED: $Q_{100} = 0.85 \times 5.07 \times 0.148 = 0.64$ cfs

$Q_{10} = 0.657 \times 0.64 = 0.42$ cfs

IV. PEAK VOLUME:

A. EXISTING CONDITIONS:
$V_{100} = 0.40 \times (2.4/12) \times 6{,}463.5 = 517.1$ CU. FT.

$V_{10} = 0.657 \times 517.1 = 339.7$ CU. FT.

B. DEVELOPED CONDITIONS:
$V_{100} = 0.85 \times (2.4/12) \times 6{,}463.5 = 1{,}098.5$ CU. FT.

$V_{10} = 0.657 \times 1{,}098.5 = 721.9$ CU. FT.

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 THROUGHLY REMOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

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.

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 WITHIN THE SUBJECT SITE OTHER THAN THOSE SHOWN ON THE PLAT OF RECORD.

3.) REFER TO "ARCHITECTURAL SITE PLAN" FOR FIELD LAYOUT OF THE PROPOSED IMPROVEMENTS.

4.) TOPOGRAPHY SURVEY OBTAINED BY "TRANSIT-STADIA" METHOD.

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.

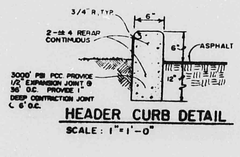
2.) ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH "CONTRACT DOCUMENTS FOR CITY WIDE UTILITIES AND CASH PAVING NO. 31".

3.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1234), FOR LOCATION OF EXISTING OF SURFACE AND SUBSURFACE 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 FOR THE PROJECT.

LEGAL DESCRIPTION: LOTS THIRTEEN (13) AND FOURTEEN(14), IN BLOCK ONE (1), OF THE HILLBORO ADDITION, TO THE CITY OF ALBUQUERQUE, NEW MEXICO, (PLAT FILED: APRIL 20, 1951).
(REPLATTED TO LOT "1-A-1" AS ATTACHED).

BENCH MARK REFERENCE: ACS STATION "6-K20(R)", LOCATED AT THE SOUTHWEST INTERSECTION OF CENTRAL AVENUE AND WYOMING BLVD. S.E.; (M.S.L.D. ELEVATION = 5390.694), PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.



HEADER CURB DETAIL
SCALE: 1" = 1'-0"

TYPICAL PAVEMENT SECTION
SCALE: 1" = 1'-0"

ENGINEER'S SEAL

GRADING AND DRAINAGE PLAN
FOR PROPOSED
AVIE CHAVEZ BUILDING
(LOCATED ON WYOMING BLVD. S.E.)
ALBUQUERQUE, NEW MEXICO
NOVEMBER, 1989

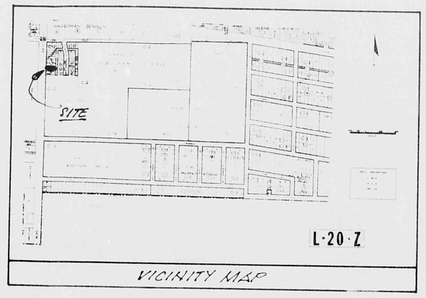
RECEIVED
DEC 01 1989
HYDROLOGY SECTION

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

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

R# 58 DATE 3-29-02 OR EXP.
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 and was created in the normal course of business.
The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (MS115-1977)
DIRECTOR
NOTARY PUBLIC
OFFICIAL SEAL
Roberta Duran
NOTARY PUBLIC
STATE OF NEW MEXICO
MY COMMISSION EXPIRES 07/27/02

D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D

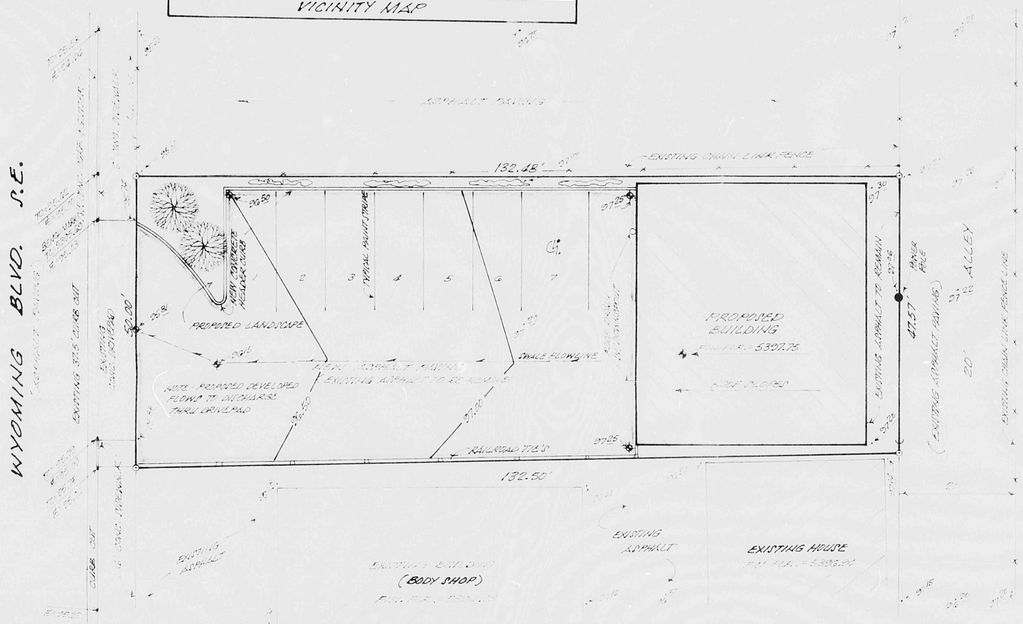


VICINITY MAP

LEGEND:

- T.C.= 97.00 = TOP OF CURB ELEVATION
- E = 94.24 = CURB FLOW LINE ELEVATION
- = EXISTING OR PROPOSED CONCRETE
- 98 = EXISTING CONTOUR
- 98 = PROPOSED CONTOUR
- = EXISTING FENCE
- 94.00 = PROPOSED POINT ELEVATION
- = PROPOSED LIMIT OF NEW PAVING
- 98.5 = EXISTING POINT ELEVATION

NORTH
1"=10'



DRAINAGE COMMENTS:

THE FOLLOWING ITEMS CONCERNING THE SUBJECT SITE ARE CONTAINED ON THE GRADING AND DRAINAGE PLAN AS SHOWN HEREON:

1.) SITE GRADING AND DRAINAGE PLAN
2.) VICINITY MAP
3.) LEGAL DESCRIPTION
4.) LIMITS AND CHARACTER OF THE EXISTING AND PROPOSED IMPROVEMENTS
5.) HYDRAULIC DRAINAGE CALCULATIONS

AS SHOWN ON THE VICINITY MAP HEREON THE SUBJECT SITE IS LOCATED ON THE EAST SIDE OF WYOMING BLVD. S.E., APPROXIMATELY 150.0' SOUTH OF THE INTERSECTION OF WYOMING BLVD. S.E. AND ZUNI RD. S.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO. (CITY ZONE ATLAS MAP L-20-Z).

THE PROJECT SITE, (1.) DOES NOT LIE WITHIN A FLOOD PLAIN, (2.) DOES NOT LIE ADJACENT TO A NATURAL OR ARTIFICIAL WATER COURSE, (3.) HAS NO DRAINAGE EASEMENTS ON THE PROPERTY.

BASED ON A SITE INVESTIGATION, IT HAS BEEN DETERMINED THAT THE FREE DISCHARGE OF SURFACE FLOWS OF THE EXISTING AND PROPOSED QUANTITIES HAVE NO ADVERSE AFFECT ON DOWNSTREAM PROPERTIES.

DRAINAGE CALCULATIONS:

I. REFERENCES:

A. CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM), VOL. 2, DESIGN CRITERIA, CHAPTER 22, DRAINAGE, FLOOD CONTROL AND EROSION CONTROL.

B. SOIL SURVEY OF BERNALILLO COUNTY AND PARTS OF SANDOVAL AND VALENCIA COUNTIES, NEW MEXICO, UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, SOIL SHEET NO. 16.

II. GENERAL INFORMATION:

A. SOIL TYPE: SOIL TYPE IS "MWA", MADINEZ-WALL ASSOCIATION. GENTLY SLOPING TERRAIN.

B. IMPERVIOUSNESS:

SITE AREA = 0.148 ACRES (6,461.0 SQ. FT.).
PRESENT UNDEVELOPED "C" FACTOR = 0.40

C. TYPE OF SURFACE (DEVELOPED):

HARD SURFACED (ASPHALT/GRAVEL)	= 0.04 AC. = 60 % X (C=0.95)	= 0.57
BUILDING ROOF AREA	= 0.04 AC. = 27 % X (C=0.90)	= 0.24
LANDSCAPED AREA	= 0.01 AC. = 07 % X (C=0.25)	= 0.02
UNDEVELOPED AREA	= 0.01 AC. = 06 % X (C=0.40)	= 0.02
	AVERAGE "WEIGHTED" "C" =	0.85

D. RAINFALL, 100-YR., 6-HR., R_6: (SEE REF. A., PLATE 22.2 D-1) R_6 = 2.4 INCHES.

E. TIME OF CONCENTRATION, T_c = TEN (10) MINUTES FOR A SITE THIS SIZE.

F. RAINFALL INTENSITY, "I", (SEE REF. A., PLATE 22.2 D-2)
$I = R_6 \times 6.84 \times T_c^{-0.51} = 2.4 \times 6.84 \times (10)^{-0.51} = 5.07$ (IN. HR.)

III. PEAK DISCHARGE: (Q = CIA)

UNDEVELOPED: Q_{100} = 0.40 X 5.07 X 0.148 = 0.30 cfs
Q_{10} = 0.657 X 0.30 = 0.20 cfs

DEVELOPED: Q_{100} = 0.85 X 5.07 X 0.148 = 0.64 cfs
Q_{10} = 0.657 X 0.64 = 0.42 cfs

IV. PEAK VOLUME:

A. EXISTING CONDITIONS:
V_{100} = 0.40 X [illegible] (12) X 6,461.0 = [illegible] CU. FT.
V_{10} = 0.657 X [illegible] = [illegible] CU. FT.

B. DEVELOPED CONDITIONS:
V_{100} = 0.85 X [illegible] (12) X 6,461.0 = [illegible] CU. FT.
V_{10} = 0.657 X [illegible] = 721.0 CU. FT.

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 THROUGHLY REMOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

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.

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 WITHIN THE SUBJECT SITE OTHER THAN THOSE SHOWN ON THE PLAT OF RECORD.

3.) REFER TO "ARCHITECTURAL SITE PLAN" FOR FIELD LAYOUT OF THE PROPOSED IMPROVEMENTS.

4.) TOPOGRAPHY SHOWN ORIGINALLY OF "T-ANGLE" TABLE METHOD.

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 "CONTRACT DOCUMENTS FOR CITY WIDE UTILITIES AND CASH PAVING NO. 31".

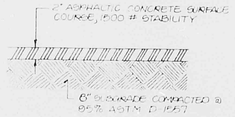
3.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (765-1234), FOR LOCATION OF EXISTING OF SURFACE AND SUBSURFACE UTILITIES.

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 FOR THE PROJECT.

LEGAL DESCRIPTION: LOTS THIRTEEN (13) AND FOURTEEN (14) IN BLOCK ONE (1), OF THE HILL ROW ADDITION, WITHIN THE CITY OF ALBUQUERQUE, NEW MEXICO, (PLAT FILED: APRIL 20, 1953).

BENCH MARK REFERENCE: ACS STATION "D-K20-R", LOCATED AT THE SOUTHWEST INTERSECTION OF CENTRAL AVENUE AND WYOMING BLVD. S.E.; (M.S.L.D. ELEVATION = 5390.634). PROJECT BENCH MARK AS SHOWN ON THE PLAN HEREON.

HEADER CURB DETAIL
SCALE 1"=1'-0"



TYPICAL PAVEMENT SECTION
SCALE 1"=1'-0"

PLAN SHOT TWICE
ONCE ON LIGHT
ONCE ON DARK

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

R# 28 DATE 3/21/02 OP EJP

CITY OF ALBUQUERQUE
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The photographic process used meets the Basic Microfilm Standards of the National Micrographics Association (MS115-1977)
Chris T. Anthony 1/5/02
DIRECTOR
Roberta Duran
NOTARY PUBLIC
OFFICIAL SEAL
Roberta Duran
01/01/02

11/30/89

ENGINEER'S SEAL

GRADING AND DRAINAGE PLAN
FOR PROPOSED
AVIE CHAVEZ BUILDING
(LOCATED ON WYOMING BLVD. S.E.)
ALBUQUERQUE, NEW MEXICO
NOVEMBER, 1989

D24 C20 B16 A12 CITY OF ALBUQUERQUE C D