



County of Bernalillo

State of New Mexico

ONE CIVIC PLAZA, N.W.
ALBUQUERQUE, NEW MEXICO 87102

ADMINISTRATION (505) 768-4000

COMMISSION (505) 768-4217

FAX (505) 768-4329

February 24, 1994

BOARD OF COUNTY COMMISSIONERS

PATRICK J. BACA, CHAIRMAN
DISTRICT 1

JACQUELYN SCHAEFER, VICE CHAIR
DISTRICT 5

ALBERT "AL" VALDEZ, MEMBER
DISTRICT 2

EUGENE M. GILBERT, MEMBER
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BARBARA J. SEWARD, MEMBER
DISTRICT 4

JUAN R. VIGIL, COUNTY MANAGER

MARK J. CARILLO, ASSESSOR

JUDY D. WOODWARD, CLERK

THOMAS J. MESSALL, PROBATE JUDGE

RAY GALLAGHER, SHERIFF

H. R. FINE, TREASURER

Don Dixon, P.E.
Resource Technology
Suite 200
2129 Osuna Road NE
Albuquerque, NM 87113

RE: ENGINEER'S CERTIFICATION FOR LOT 8, BLOCK 14, TRACT 2, UNIT 1, NORTH
ALBUQUERQUE ACRES, (C22/D26) WITH ENGINEER'S STAMP DATED FEBRUARY 3,
1994.

Dear Mr. Dixon:

Based on the information provided on the referenced submittal received
February 18, 1994, the Certification of Occupancy is acceptable for release by
this office, AMAFCA and County PWD.

If you should have any questions, please do not hesitate to call me at
768-2650.

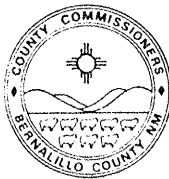
Cordially,

A handwritten signature in cursive script, reading "Gilbert Aldaz".

Gilbert Aldaz, P.E. & P.S.
City/County Floodplain Administrator

xc: Clifford E. Anderson, AMAFCA
Bob Foglesong, Bernalillo County
Bob Morrow, Owner
Tom Burlison, County Building Dept.
Floyd Lopez, County Attorney
Gerald W. Roth, Attorney at Law
File

GA/wp+3015



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JACQUELYN SCHAEFER, MEMBER
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JUAN R. VIGIL, COUNTY MANAGER

County of Bernalillo

State of New Mexico

ONE CIVIC PLAZA N.W.
ALBUQUERQUE, NEW MEXICO 87102

RAY GALLAGHER, SHERIFF
PATRICK J. PADILLA, TREASURER
GLADYS M. DAVIS, CLERK
MARK J. CARRILLO, ASSESSOR
THOMAS J. MESCALL, PROBATE JUDGE

March 10, 1992

Frank Lovelady, P.E.
Lovelady & Associates
7408 Morrow Avenue, NE
Albuquerque, New Mexico 87110

RE: REVISED DRAINAGE PLAN FOR BOB MORROW RESIDENCE
LOTS 8, 9, & 10 BLOCK 14, TRACT 2, UNIT 1, N.A.A.
(C-22/D26) ENGINEER'S STAMP DATED FEBRUARY 21, 1992

Dear Mr. Lovelady:

Based on the drainage analysis submitted, and the variance request the plan is acceptable for Building Permit release for the referenced lots. Please be advised that this site is still susceptible to flooding even though every effort has been made to floodproof this structure from the 100-year storm. I would strongly recommend that your clients obtain flood insurance for their property.

Prior to the County Building Department performing final inspection of the site, please submit the following:

1. Photographs showing the different stages of construction on the dike, particularly when the key trench is open.
2. Test results at one foot intervals showing the berm meets the compaction requirements.
3. Certification by the Engineer that the berm was constructed per his recommended specifications.
4. Certification that the bottom of footing for Lot 10 was constructed 2 feet below the existing grade of the original topography.

-9216739

0006027

Gilbert Aldaz, P.E. & P.S.
Hydrology Section
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

RE: Lot 8, Block 14, Tract 2, Unit 1, North Albuquerque Acres -
Hold Harmless Agreement

Dear Mr. Aldaz:

The purpose of this letter is to provide the requested Hold Harmless Agreement and request a variance from Section 7.F.1 of the Flood Hazard Ordinance for the approval of the Building Permit for the subject lot. The undersigned lot owner agrees to save the City of Albuquerque, County of Bernalillo and A.M.F.C.A. (the authorities) harmless from any and all liability arising from the Authorities approval of the drainage plan for the subject lot. It is understood that the Authorities do not agree to save the undersigned owner harmless from any liability which may arise from the owner's negligent use of the property and drainage facilities constructed with the approved plan.

The undersigned lot owner fully understands that a portion of the subject lot is within a 100-year floodplain as shown on the National Flood Insurance Program "Flood Insurance Rate Map" and may be subject to flooding. Any development of this property must conform to the Bernalillo County Flood Damage Prevention Ordinance.

The agreements and obligation of this letter of the owner as set forth herein shall be binding on the owner, his heirs, assigns and successors and on the owner's property and constitute covenants running with the owner's property until released by the Authorities.

WITNESS its hand and seal this 21st day of February, 1992.


Lot Owner, it's President for
EMBER INC., a New Mexico Corporation.

Lot Owner

ACKNOWLEDGEMENT FOR CORPORATION

STATE OF NEW MEXICO)
) SS
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 21st day of February
1992 by Michael Bujewski, President of EMBER INC., a New Mexico Corporation.



OFFICIAL SEAL
HAPPY SANCHEZ
NOTARY PUBLIC - STATE OF NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires: 9-23-95


Notary Public

My commission expires: 9-23-95

STATE OF NEW MEXICO
COUNTY OF BERNALILLO
FILED FOR RECORD

92 FEB 26 AM 9:06

SK BCR
GLADYS M. DAVIS
CO CLERK & RECORDER

**GRANT OF EASEMENT
FLOODWAY AND STORM DRAINAGE WORKS**

EMBER INC., a NEW MEXICO CORPORATION, Grantors, for good and valuable consideration, the receipt of which is hereby acknowledged, does grant, bargain, sell and convey unto the ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY, a political subdivision of the State of New Mexico, Grantee, and its successors and assigns, the permanent right and easement for drainage, flood control and conveyance of storm water and the construction, reconstruction, operation and maintenance of, and access to such facilities on, in, under, over and across the following described real estate:

The land in which the foregoing rights and easements are granted is located in the County of Bernalillo and State of New Mexico and is more particularly described in Exhibit "A" attached hereto and incorporated herein by reference.

Except by the written approval of Grantee, no fence, wall, building, or other obstruction may be placed or maintained in said easement and there shall be no alteration of the grades or contours in said easement. The granting of this easement shall not obligate the Grantee to maintain natural arroyos, drainage channels, or facilities that do not meet the standards of the Grantee for design and construction, nor shall this granting require the protection of property lying outside of the easement granted. Grantee shall only maintain property and/or improvements that it specifically agrees, by written agreement filed for public record, to maintain. Unless Grantee specifically agrees, by such written agreement, to maintain property and/or improvements, such maintenance responsibility shall remain with the Grantor, its successors or assigns. Grantor shall not perform any maintenance without the prior approval of the Grantee, except in an emergency. In the event of an emergency, Grantor shall notify the Grantee as soon as practical. Safe locations for structures built on lands adjacent to the real property described herein may be substantially outside of the area described herein.

TO HAVE AND TO HOLD the said right and easement for the uses and purposes aforesaid, unto the Grantee, its successors and assigns, forever, except that any portion of the easement granted herein shall revert to the Grantor, its successors or assigns, as and to the extent said portion is declared unnecessary for flood control or drainage by the Board of Directors of the Albuquerque Metropolitan Arroyo Flood Control Authority. Any reversion shall be conveyed by quitclaim deed.

THERE IS RESERVED to the Grantor, its successors and assigns, the right to use said lands for open space landscaping and other purposes which will not interfere with the rights and easements hereby granted, provided that Grantor obtains Grantee's written approval for such use, not to be unreasonably withheld.

WITNESS its hand and seal this 21st day of February, 1992.

EMBER INC by its President Michael Bujewski
ACKNOWLEDGMENT FOR NATURAL PERSONS

[illegible]

The foregoing instrument was acknowledged before me this _____ day of _____, 199__ by _____
(name)

(marital status)

My commission expires:

Notary Public

(SEAL)

ACKNOWLEDGMENT FOR CORPORATION

STATE OF NEW MEXICO)
)**SS**
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 21st day of February, 1992 by Michael Bujewski
(name)

President	Ember Inc.
_____ (title)	_____ (corporation)

a New Mexico corporation on behalf of said corporation.

My commission expires:

Notary Public

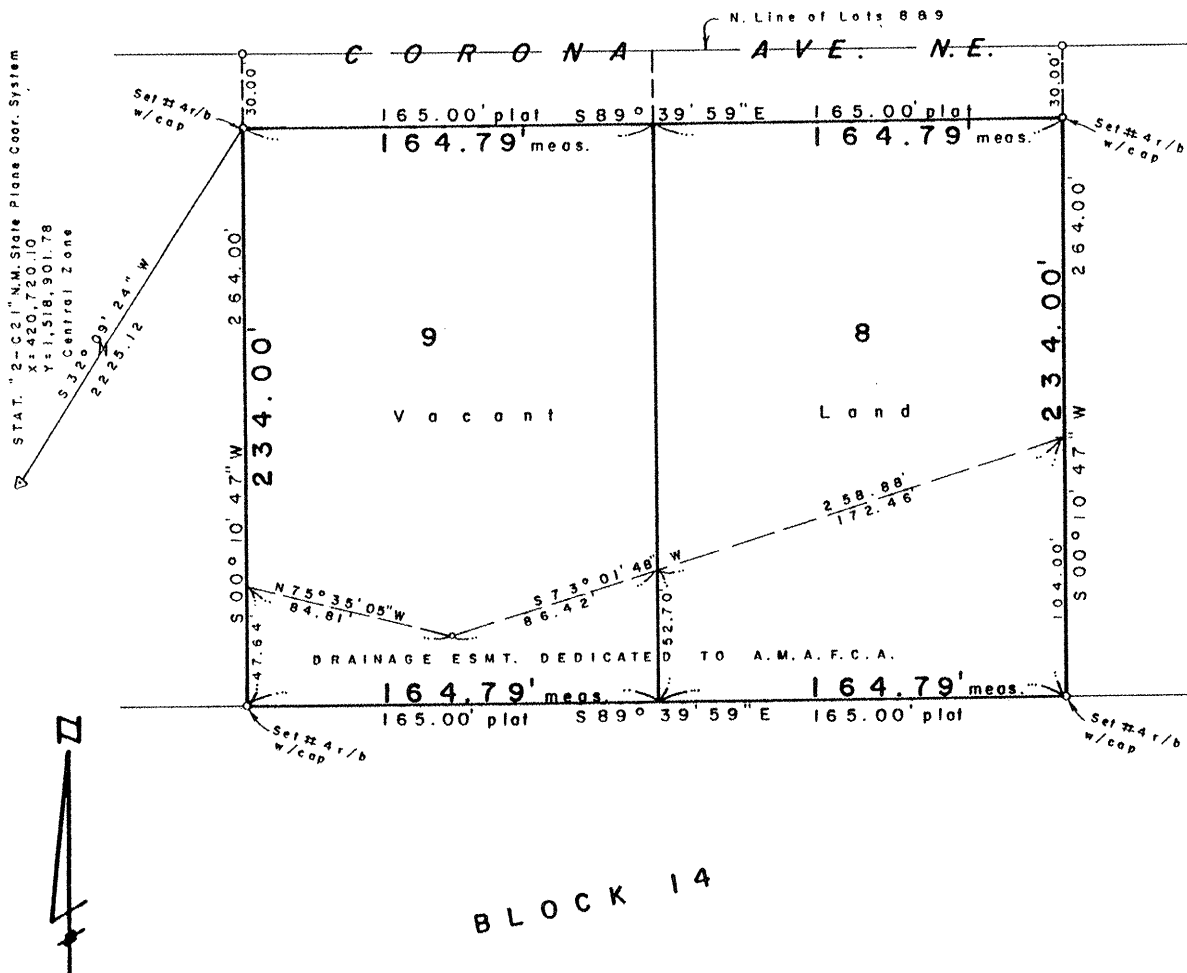


OFFICIAL SEAL
HAPPY SANCHEZ
NOTARY PUBLIC - STATE OF NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires: _____

PLAT OF SURVEY OF

Lots numbered Eight (8) and Nine (9) in Block numbered Fourteen (14) of Tract 2, Unit 1, NORTH ALBUQUERQUE ACRES, 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 March 23, 1931 in Plat Book D, page 130.

NOTE: Subject to rights of the Public, County of Bernalillo and State of New Mexico, over, under and upon the North 30.00 feet of the above described property for Street purposes.



Scale: 1" = 60'
Order No: 92-115A
Field Book: 63 Page: 63
Ordered By: Rogan Thompson
Title Policy No: N/A

SURVEYOR'S CERTIFICATE:

State of New Mexico) s.s.
County of Bernalillo)

I, Carl R. Harrington, a Professional Land Surveyor, licensed under the laws of the State of New Mexico, do hereby certify that I have surveyed the above described property and that the plat hereon drawn is a true and correct representation of said survey, to the best of my knowledge and belief, and meets the minimum standards for land surveys in the State of New Mexico; that the bearings and distances shown hereon are based on the Plat or Deed of record, unless otherwise indicated hereon; that it shows all easements shown on the plat of record; that there are no encroachments from the said property onto adjoining properties or from adjoining properties onto said property, unless shown hereon and that it shows the location of all permanent improvements pertinent to the said survey.

Given under my hand and seal at Albuquerque, New Mexico, this 10th day of FEBRUARY, 1992

Carl R. Harrington, N.M.L.S. #7909
CARL R. HARRINGTON, Inc., Licensed Professional Land Surveyor
124 Monroe Street, N.E., Albuquerque, New Mexico, 87108
(505) 266-0660 FAX (505) 260-1813

DECIMAL EQUIVALENT CHART

0.01 = 1/8"	0.25 = 3"
0.02 = 1/4"	0.33 = 4"
0.03 = 3/8"	0.42 = 5"
0.04 = 1/2"	0.50 = 6"
0.05 = 3/8"	0.58 = 7"
0.06 = 3/4"	0.67 = 8"
0.07 = 7/8"	0.75 = 9"
0.08 = 1"	0.83 = 10"
0.17 = 2"	0.92 = 11"
	1.00 = 12"

9
- 9216740

0006028

Gilbert Aldaz, P.E. & P.S.
Hydrology Section
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

RE: Lot 10, Block 14, Tract 2, Unit 1, North Albuquerque Acres -
Hold Harmless Agreement

Dear Mr. Aldaz:

The purpose of this letter is to provide the requested Hold Harmless Agreement and request a variance from Section 7.F.1 of the Flood Hazard Ordinance for the approval of the Building Permit for the subject lot. The undersigned lot owner agrees to save the City of Albuquerque, County of Bernalillo and A.M.F.C.A. (the authorities) harmless from any and all liability arising from the Authorities approval of the drainage plan for the subject lot. It is understood that the Authorities do not agree to save the undersigned owner harmless from any liability which may arise from the owner's negligent use of the property and drainage facilities constructed with the approved plan.

The undersigned lot owner fully understands that a portion of the subject lot is within a 100-year floodplain as shown on the National Flood Insurance Program "Flood Insurance Rate Map" and may be subject to flooding. Any development of this property must conform to the Bernalillo County Flood Damage Prevention Ordinance.

The agreements and obligation of this letter of the owner as set forth herein shall be binding on the owner, his heirs, assigns and successors and on the owner's property and constitute covenants running with the owner's property until released by the Authorities.

WITNESS its hand and seal this 19th day of February, 1992.

Robert W. Morrow
Lot Owner, ROBERT MORROW

Karen W. Morrow
Lot Owner, KAREN MORROW

ACKNOWLEDGEMENT FOR NATURAL PERSONS

STATE OF NEW MEXICO)
) SS
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 19th day of February, ~~1992~~ by Robert & Karen Morrow, a ~~New Mexico Corporation~~.

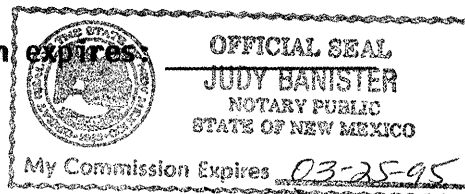
STATE OF NEW MEXICO
COUNTY OF BERNALILLO
FILED FOR RECORD

92 FEB 26 AM 9:06

BK BCR PG. 6028
GLADYS M. DAVIS
CO CLERK & RECORDER

Judy Banister
Notary Public

My commission expires



**GRANT OF EASEMENT
FLOODWAY AND STORM DRAINAGE WORKS**

ROBERT MORROW and KAREN MORROW, husband and wife, Grantors, for good and valuable consideration, the receipt of which is hereby acknowledged, does grant, bargain, sell and convey unto the ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY, a political subdivision of the State of New Mexico, Grantee, and its successors and assigns, the permanent right and easement for drainage, flood control and conveyance of storm water and the construction, reconstruction, operation and maintenance of, and access to such facilities on, in, under, over and across the following described real estate:

The land in which the foregoing rights and easements are granted is located in the County of Bernalillo and State of New Mexico and is more particularly described in Exhibit "A" attached hereto and incorporated herein by reference.

Except by the written approval of Grantee, no fence, wall, building, or other obstruction may be placed or maintained in said easement and there shall be no alteration of the grades or contours in said easement. The granting of this easement shall not obligate the Grantee to maintain natural arroyos, drainage channels, or facilities that do not meet the standards of the Grantee for design and construction, nor shall this granting require the protection of property lying outside of the easement granted. Grantee shall only maintain property and/or improvements that it specifically agrees, by written agreement filed for public record, to maintain. Unless Grantee specifically agrees, by such written agreement, to maintain property and/or improvements, such maintenance responsibility shall remain with the Grantor, its successors or assigns. Grantor shall not perform any maintenance without the prior approval of the Grantee, except in an emergency. In the event of an emergency, Grantor shall notify the Grantee as soon as practical. Safe locations for structures built on lands adjacent to the real property described herein may be substantially outside of the area described herein.

TO HAVE AND TO HOLD the said right and easement for the uses and purposes aforesaid, unto the Grantee, its successors and assigns, forever, except that any portion of the easement granted herein shall revert to the Grantor, its successors or assigns, as and to the extent said portion is declared unnecessary for flood control or drainage by the Board of Directors of the Albuquerque Metropolitan Arroyo Flood Control Authority. Any reversion shall be conveyed by quitclaim deed.

THERE IS RESERVED to the Grantor, its successors and assigns, the right to use said lands for open space landscaping and other purposes which will not interfere with the rights and easements hereby granted, provided that Grantor obtains Grantee's written approval for such use, not to be unreasonably withheld.

WITNESS its hand and seal this 19th day of February, 1992.

Robert W. Morrow Karen V. Morrow
Robert Morrow Karen Morrow

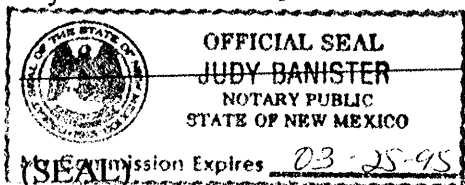
ACKNOWLEDGMENT FOR NATURAL PERSONS

STATE OF NEW MEXICO)
)SS
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 19th day of February, 1992 by Robert W. Morrow
(name)

husband and wife.
(marital status)

My commission expires:



Judy Banister
Notary Public

ACKNOWLEDGMENT FOR CORPORATION

STATE OF NEW MEXICO)
)SS
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this _____ day of _____, 199__ by _____
(name)

(title) (corporation)

a _____ corporation on behalf of said corporation.

My commission expires:

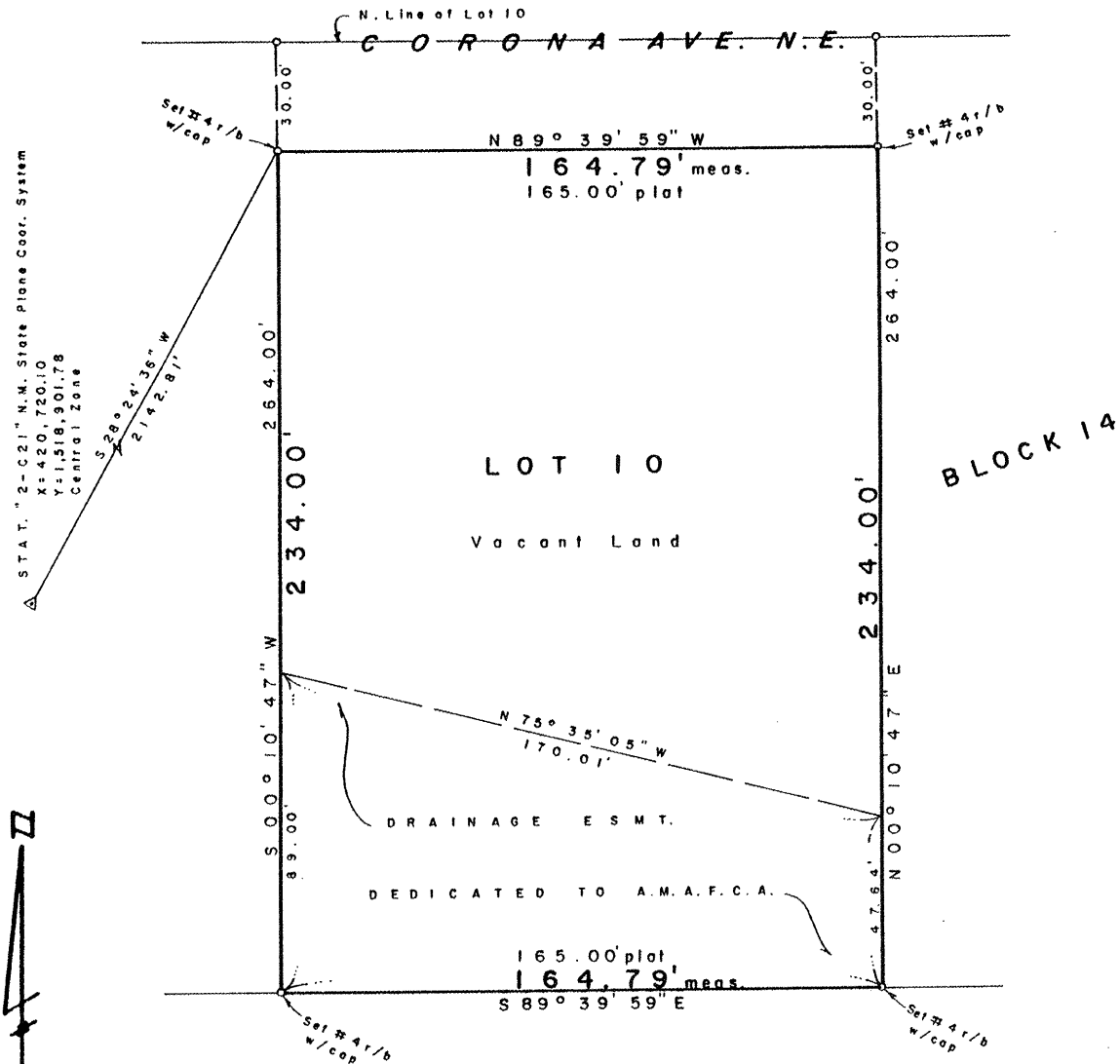
Notary Public

(SEAL)

PLAT OF SURVEY OF

Lot numbered Ten (10) in Block numbered Fourteen (14) of Tract 2, Unit 1, NORTH ALBUQUERQUE ACRES, 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 March 23, 1931 in Plat Book D, page 130.

NOTE: Subject to rights of the Public, County of Bernalillo and State of New Mexico, over, under and upon the North 30.00 feet of the above described property for Street purposes.



Scale: 1" = 40'
Order No: 92-115 B
Field Book: 63 Page: 63
Ordered By: Rogan Thompson
Title Policy No: N/A

SURVEYOR'S CERTIFICATE:

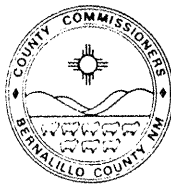
State of New Mexico)
County of Bernalillo) S.S.

I, Carl R. Harrington, a Professional Land Surveyor, licensed under the laws of the State of New Mexico, do hereby certify that I have surveyed the above described property and that the plat hereon drawn is a true and correct representation of said survey, to the best of my knowledge and belief, and meets the minimum standards for land surveys in the State of New Mexico; that the bearings and distances shown hereon are based on the Plat or Deed of record, unless otherwise indicated hereon; that it shows all easements shown on the plat of record; that there are no encroachments from the said property onto adjoining properties or from adjoining properties onto said property, unless shown hereon; and that it shows the location of all permanent improvements pertinent to the said survey.

Given under my hand and seal at Albuquerque, New Mexico, this 10th day of FEBRUARY, 1992

Carl R. Harrington, N.M.L.S. #7909
CARL R. HARRINGTON, Inc., Licensed Professional Land Surveyor
124 Monroe Street, N.W., Albuquerque, New Mexico, 87108
(505) 266-0660 FAX (505) 260-1813

DECIMAL EQUIVALENT CHART		
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County of Bernalillo

State of New Mexico

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GLADYS M. DAVIS, CLERK

MARK J. CARRILLO, ASSESSOR

THOMAS J. MESCALL, PROBATE JUDGE

February 21, 1991

Frank Lovelady, P.E.
Lovelady & Associates
7408 Morrow Avenue, NE
Albuquerque, New Mexico 87110

RE: DRAINAGE PLAN RESUBMITTAL FOR BOB MORROW RESIDENCE
LOTS 8, 9, & 10 BLOCK 14, TRACT 2, UNIT 1, N.A.A.
RECEIVED JANUARY 23 1991 FOR BUILDING PERMIT APPROVALS
(C-22/D26)

Dear Mr. Lovelady:

Prior to release of Building Permits, the following information is needed:

1. Provide AMAFCA with the necessary drainage easements for the floodplains.
2. A recorded variance request from the Flood Hazard Ordinance for Lots 8 and 10 is required. We provided you with an example of this form two weeks ago.
3. Please secure AMAFCA's and Bernalillo County's Signature on the original plan.

Should you have any questions, please do not hesitate to call me at 768-2650.

Cordially,

Gilbert Aldaz, P.E. & P.S.
City/County Floodplain Administrator

xc: Clifford E. Anderson, AMAFCA
Bob Foglesong, Bernalillo County
Bob Morrow, Owner

GA
wp+3015



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ALBUQUERQUE, NEW MEXICO 87102

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MARK J. CARRILLO, ASSESSOR

THOMAS J. MESCALL, PROBATE JUDGE

December 9, 1991

Frank Lovelady, P.E.
Lovelady & Associates
7408 Morrow Avenue NE
Albuquerque, New Mexico 87110

RE: RESUBMITTAL DRAINAGE PLAN FOR BOB MORROW RESIDENCE, LOTS 8, 9, & 10
BLOCK 14, TRACT 2, UNIT 1, N.A.A., RECEIVED DECEMBER 4, 1991
FOR BUILDING PERMIT APPROVALS (C-22/D26)

Dear Mr. Lovelady:

Due to insufficient information as previously requested we are unable to review your drainage submittal at this time. Please review our previous letter to you dated November 1, 1991 and address each question as previously requested. I will attempt to resummairize the previous comments since they are still applicable since the plan was only changed from a rip rap section to a levee.

1. Due to the unsteady state of the arroyo in this area, it appears a hydraulic model should be used (HEC-2 is acceptable) in order to develop the flood profile and flood boundaries currently in effect. You refer to a HEC-2 analysis, please submit this information along with cross sections on the plan
2. It appears that if the levee should be tied back into the building site, the tie back distance should be based on the erosion set back limit for the upstream property.
3. What effect will the levee have on the hydraulic conditions in the arroyo during flood flows? Considering the flow velocity in the vicinity of the levee section and the erodible nature of the arroyo, is the recommended freeboard adequate?
4. What effect will flow deflection associated with the levee section have on the tendency for erosion and lateral migration of the arroyo bank opposite the levee section and the attendant effect on the affected property?

Frank Lovelady
December 9, 1991
Page two

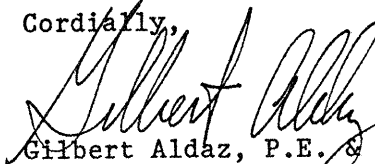
5. Is the arroyo channel in the vicinity of the site aggradational or degradational during flood conditions? Answering this question will require an analysis of sediment excess or deficit from upstream reaches. The County and AMAFCA requirements for long term erosion or deposition (30 year) and 100 year flood erosion or deposition must be included in the analysis.
6. If the channel is aggradational, is the recommended freeboard adequate to prevent overtopping?
7. What is the potential for local scour at the levee section?
8. Will the levee section create (or increase) contraction scour in the arroyo?
9. Is the burial depth of the riprap section in the levee adequate considering the combination of general degradation, contraction scour and local scour?
10. It appears that the finish floor elevations are not high enough to account for flow depth and required freeboard. Please justify each pad accordingly with elevation and setback requirements.

Additional concerns I have on your resubmittal is as follows:

11. Be advised that depending on how the levee impacts the HEC-2 analysis, the design of the levee may fall under FEMA's design guideline requirements. Was the levee designed using D.P.M. guidelines?
12. The elevations shown on section A-A do not check with the grading plan contours.

If you should have any questions, please do not hesitate to call me at 768-2650.

Cordially,



Gilbert Aldaz, P.E. & P.S.
City/County Floodplain Administrator

xc: Clifford E. Anderson, AMAFCA
Bob Foglesong, Bernalillo County
Bob Morrow, Owner

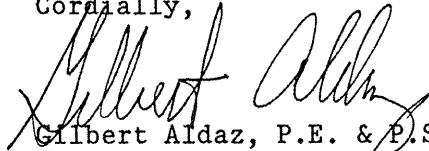
wp+3015

Frank Lovelady, P.E.
March 11, 1992
Page 2

5. Certification that all other items were constructed per the approved plan.

Should you have any questions, please do not hesitate to call me at 768-2650.

Cordially,



Gilbert Aldaz, P.E. & P.S.
City/County Floodplain Administrator

xc: Clifford E. Anderson, AMAFCA
Bob Foglesong, Bernalillo County
Bob Morrow, Owner
Richard Steffey, Architect
Tom Burlison, County Building Dept.

GA
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JUAN R. VIGIL, COUNTY MANAGER

County of Bernalillo

State of New Mexico

ONE CIVIC PLAZA, N.W.
ALBUQUERQUE, NEW MEXICO 87102

ADMINISTRATION (505) 768-4000
COMMISSION (505) 768-4217
FAX (505) 768-4329

MARK J. CARILLO, ASSESSOR
JUDY D. WOODWARD, CLERK
THOMAS J. MESCALL, PROBATE JUDGE
RAY GALLAGHER, SHERIFF
H. R. FINE, TREASURER

December 8, 1993

Don Dixon, P.E.
Resource Technology
Suite 200
2129 Osuna Road NE
Albuquerque, NM 87113

RE: ENGINEER'S CERTIFICATION FOR LOTS 9 AND 10, AND DRAINAGE PLAN FOR FLOODWALL REQUIRED ON LOT 8, BLOCK 14, TRACT 2, UNIT 1, NORTH ALBUQUERQUE ACRES, (C22/D26) WITH ENGINEER'S STAMP DATED NOVEMBER 29, 1993.

Dear Mr. Dixon:

Based on the information provided on the referenced submittal received November 23, 1993, the Certification of Occupancy is approved for Lots 9 and 10 only. This department will approve these lots through the Building Permit office and drop the court requirements.

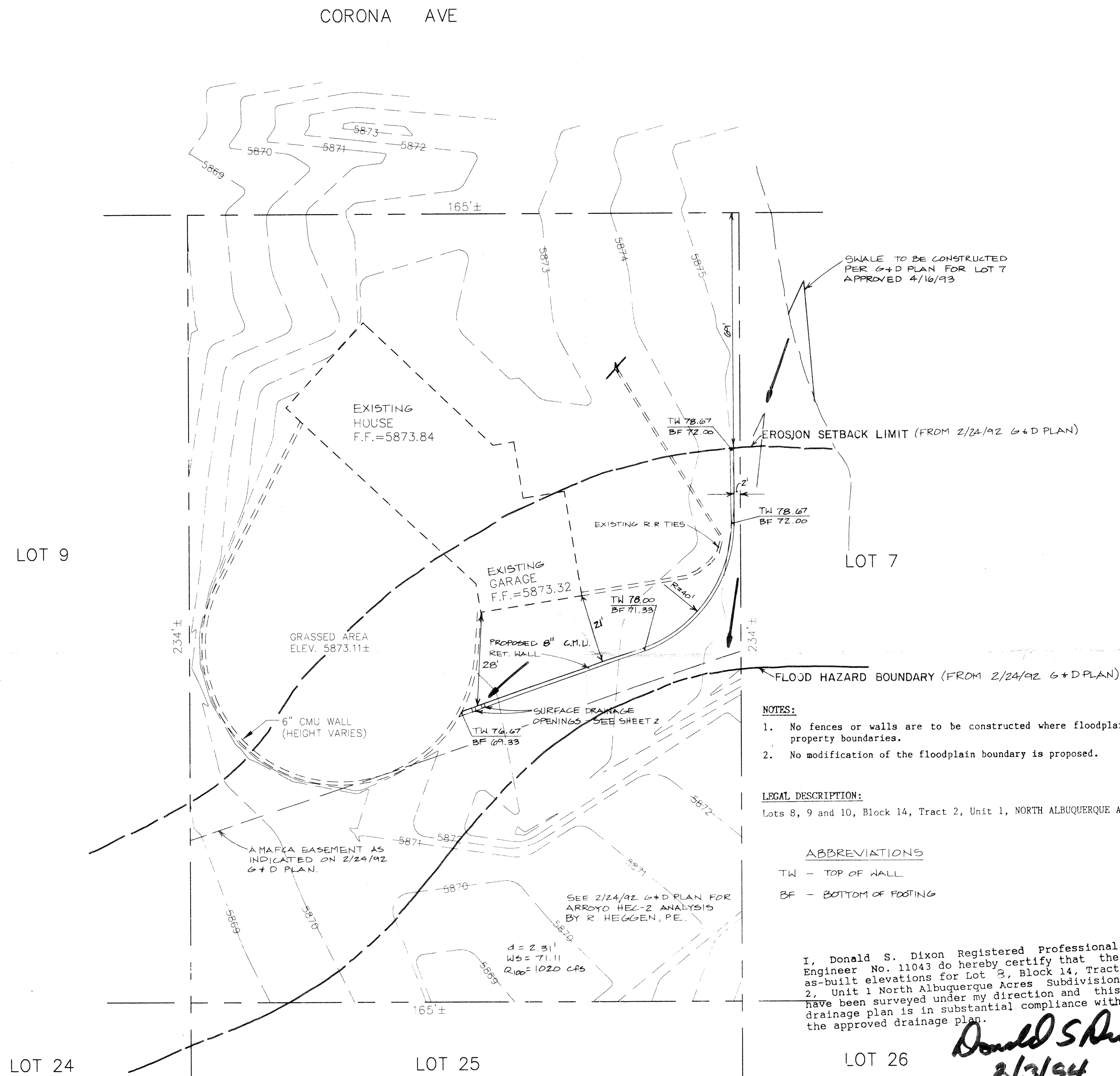
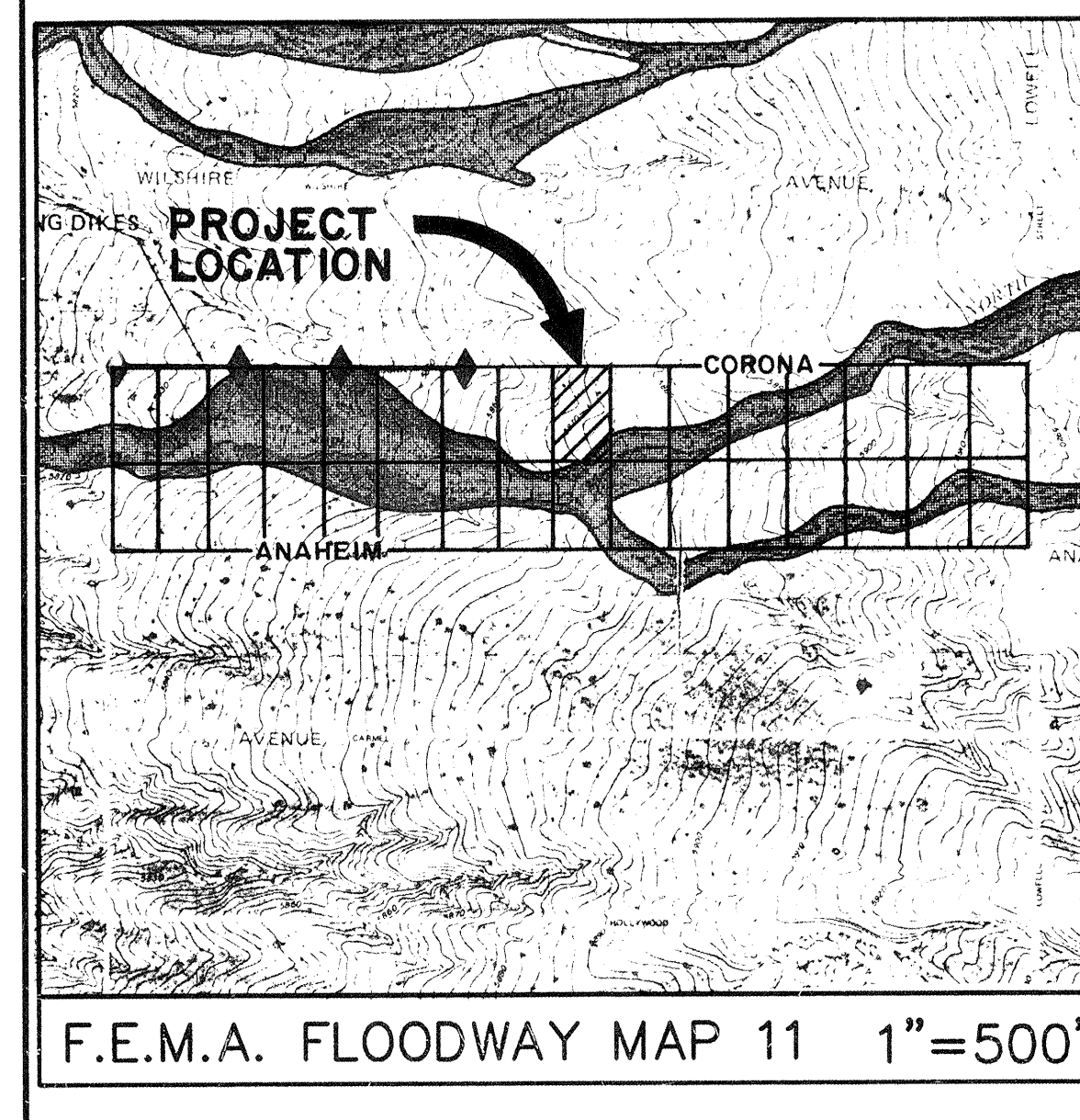
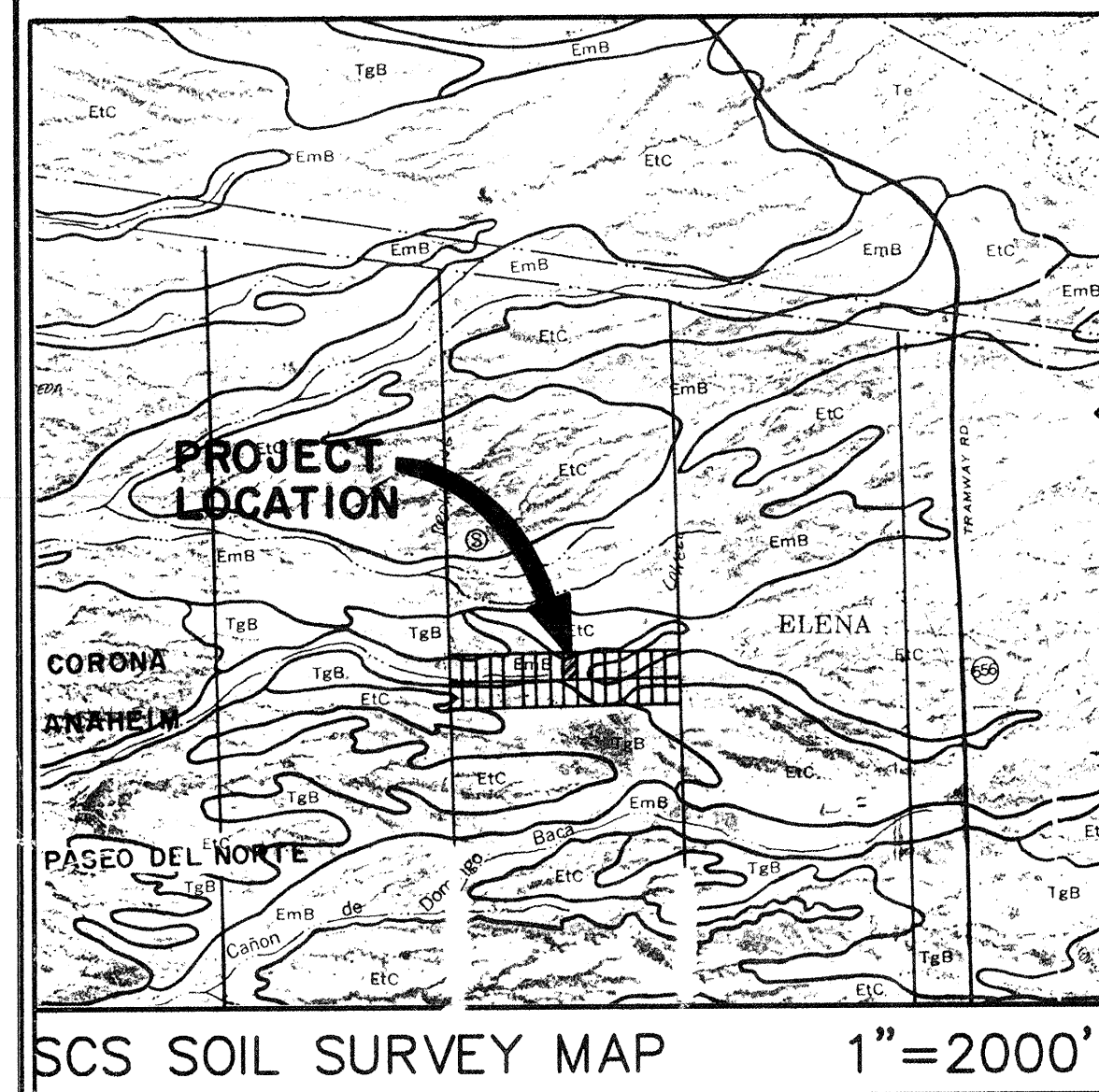
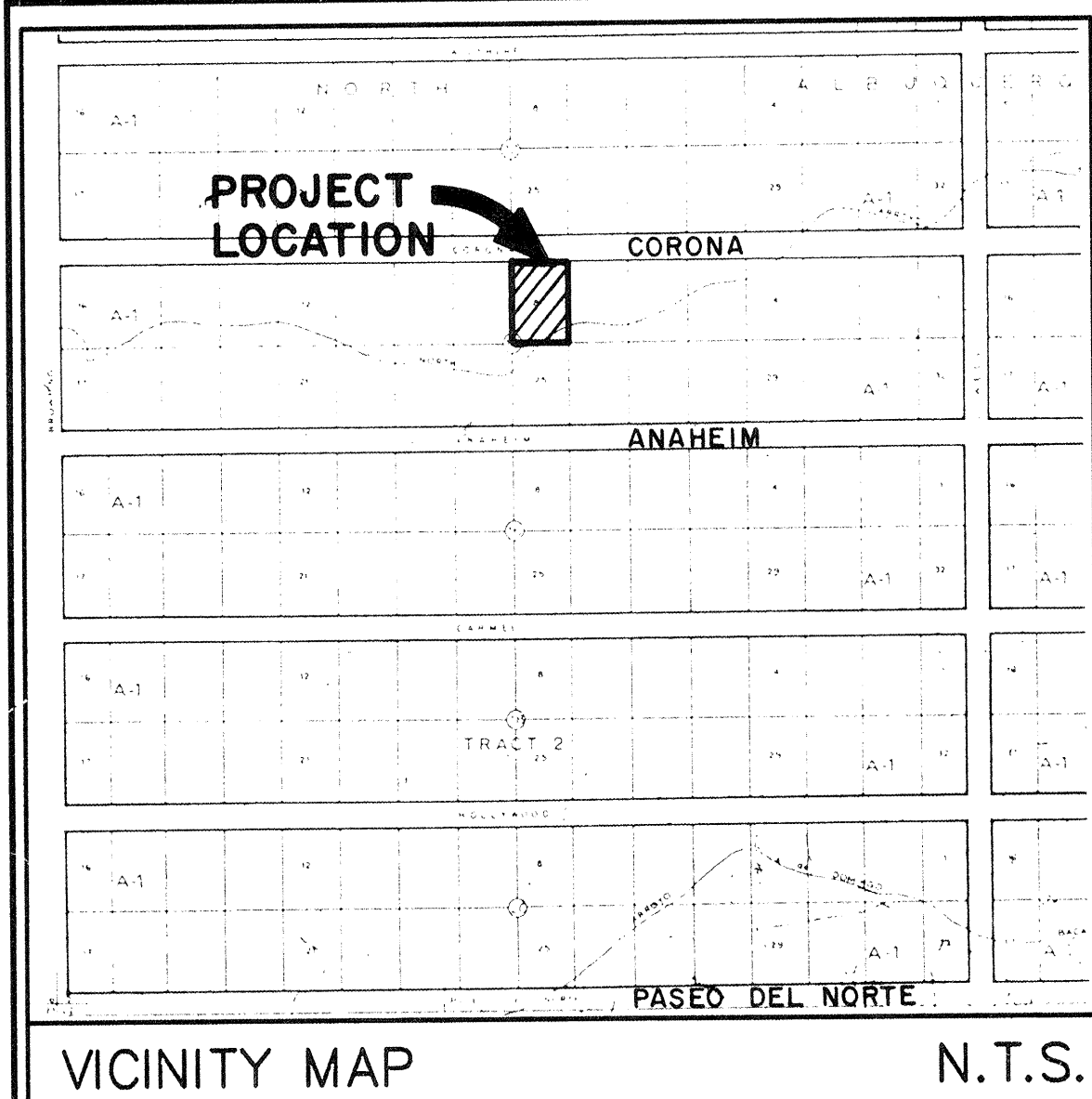
As for lot 8, the floodwall is an acceptable alternative to the levee originally proposed. Please have the owner proceed immediately with construction. The owner will have 30 days from the date of this letter to complete the floodwall and have you, the Engineer, certify to us that it was constructed in substantial compliance with this plan, prior to the County terminating their court case.

Cordially,

A handwritten signature in dark ink, appearing to read "Gilbert Aldaz", is written over a circular stamp.

Gilbert Aldaz, P.E. & P.S.
City/County Floodplain Administrator

xc: Clifford E. Anderson, AMAFCA
Bob Foglesong, Bernalillo County
Bob Morrow, Owner
Tom Burlison, County Building Dept.
Floyd Lopez, County Attorney
Gerald W. Roth, Attorney at Law
File



NOTES:

1. No fences or walls are to be constructed where floodplain crosses the property boundaries.
2. No modification of the floodplain boundary is proposed.

LEGAL DESCRIPTION:

Lots 8, 9 and 10, Block 14, Tract 2, Unit 1, NORTH ALBUQUERQUE ACRES.

ABBREVIATIONS

TW - TOP OF WALL
BF - BOTTOM OF FOOTING

I, Donald S. Dixon Registered Professional Engineer No. 11043 do hereby certify that the as-built elevations for Lot 8, Block 14, Tract 2, Unit 1 North Albuquerque Acres Subdivision have been surveyed under my direction and this drainage plan is in substantial compliance with the approved drainage plan.

Donald S. Dixon
2/3/94

TOPOGRAPHIC SURVEY PERFORMED 10/07/93 BY RESOURCE TECHNOLOGY, INC. I HEREBY CERTIFY, BASED ON PERSONAL INSPECTION, THAT SITE CONDITIONS SHOWN ON THIS PLAN REFLECT ACTUAL CONDITIONS AS OF THAT DATE.

BENCHMARK: T.B.M. IS TIED TO A.C.S. CONTROL CAP, STAMPED "2-C2"-1985". TRIGONOMETRIC ELEVATION OF 5834.1. LOCATED AT THE INTERSECTION OF PASEO DEL NORTE AVE. AND BROWNING ST.

SCALE: 1" = 20' HORIZ.
1' CONTOUR INTERVAL

GENERAL NOTES

Site Description (FROM APPROVED G+D PLAN, 2/24/92, PREPARED BY FRANK LEVELADY, P.E., STAMPED 10/6/93)

Existing Conditions: The three lots are located on gently sloping terrain that lies between Corona Avenue and the North Arroyo de Domingo Baca. A tributary joins the main arroyo near the south end of Lot 8. The main arroyo crosses the southeast corner of Lot 8 and the tributary joins from the south. The arroyo divides near the S.W. corner of Lot 9 and the slide channel crosses the south end of the plan. The north Arroyo de Domingo Baca has a 100-year flow of approximately 1020 cfs in this area as indicated by Table 3 of the FEMA Flood Insurance Study, Community 350002, September 15, 1983. There is a slight ridge running approximately east and west. Land north of the ridge drains to Corona Avenue and Land south of the ridge drains directly to the arroyo.

Proposed Conditions: It is proposed to construct a residence on each lot as shown. Lot 8 requires riprap bank protection since it is not possible to meet the required setback of 8' per 100 cfs or portion thereof. The proposed residence on Lots 9 and 10 can satisfy the required setback without any additional protective measures and do not depend on lot 8 improvements for flood protection. Rev 11/29/93

Precipitation Zone 4 (DPM Figure A)
100-year, 6-hour rainfall depth: 2.90"

On-site

Land Treatment: Area=38610 SQ.FT. (total area for Lot 8)

Existing: A = 38610 sq.ft. = 0.886 acre = 100%

Future: A = 19110 sq.ft. = 0.438 acre = 49.4%
B = 3695 sq.ft. = 0.085 acre = 9.5%
C = 12115 sq.ft. = 0.278 acre = 31.5%
D = 3690 sq.ft. = 0.085 acre = 9.6%

100-year runoff volume and peak flow rate for Lot 28 (DPM Table 8)

Existing:

V100 = (38610 * 0.66)/12
= 2,124 cu. ft.
Qp100 = (0.886 * 2.26)
= 2.00 cfs

Future:

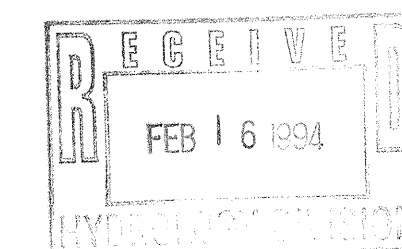
V100 = ((19110 * 0.66)+(3695 * 0.85)+(12115 * 1.13)+(3690 * 2.57))/12
= 3,243 cu. ft. (increase of 1,119 cu. ft.)
Qp100 = (0.438 * 2.26)+(0.085 * 3.05)+(0.278 * 3.94)+(0.085 * 5.74)
= 2.83 cfs (increase of 0.83 cfs)

*Proposed revision to 2/24/92 Grading and Drainage Plan. CMU Retaining wall is to replace berm and riprap bank protection. The proposed retaining wall will meet or exceed all of the specified elevations and grades called for on the 2/24/92 Grading and Drainage Plan. Hydrology and HEC-2 Water Surface Profiles are part of original submittal and have been reviewed for reasonableness only as part of this revised plan.

ALL OTHER RESTRICTIONS, CONDITIONS AND AGREEMENTS THAT ARE PART OF THE 2/24/92 G+D PLAN SHALL CONTINUE TO APPLY.

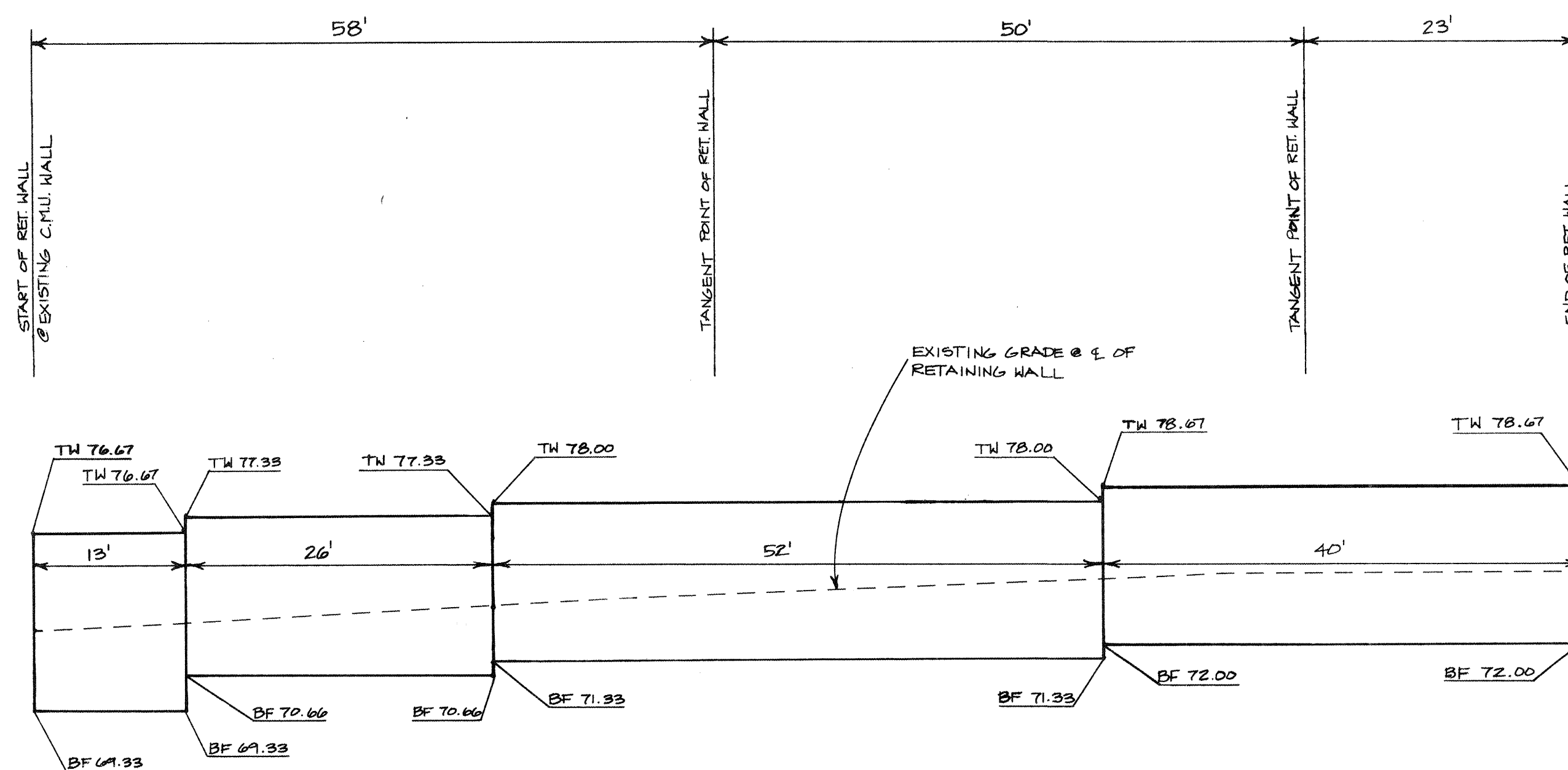
I, Donald S. Dixon, Registered Professional Engineer No. 11043, do hereby certify that the retaining wall was built in substantial compliance with the plans and details shown on sheets 1 of 2 and 2 of 2 of Lot 8, Block 14, Tract 2, Unit 1, NAA Revised Grading and Drainage Plan.

Date: 2/10/94

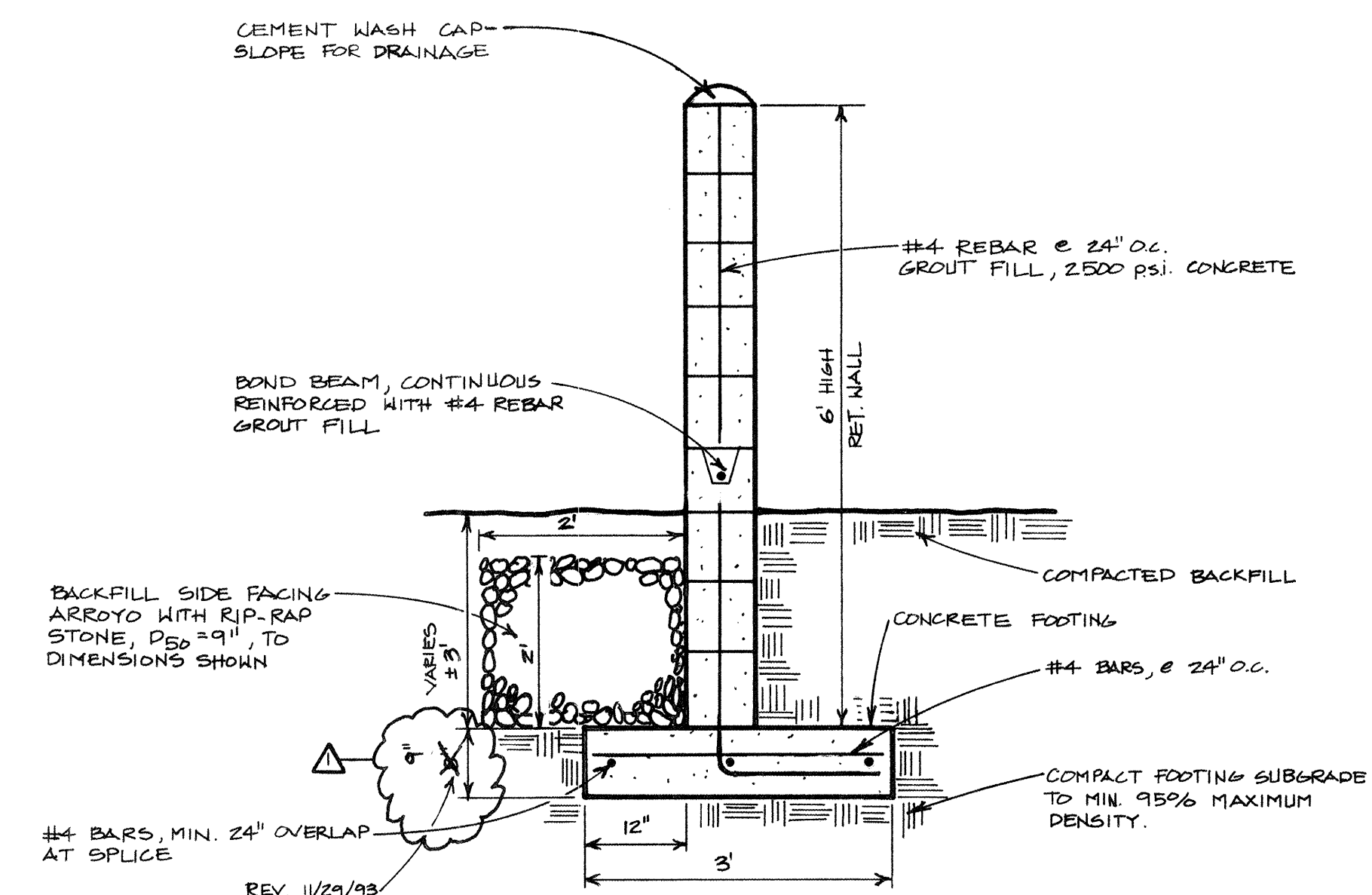
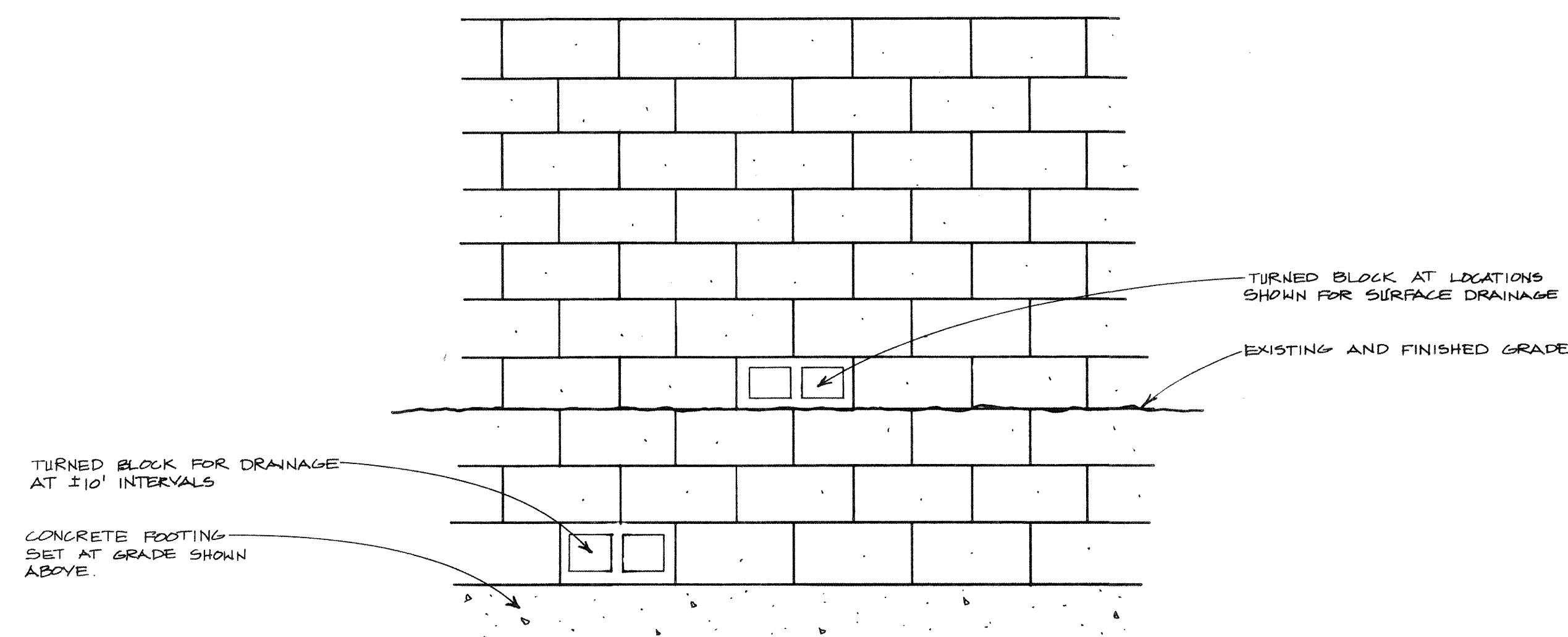


Donald S. Dixon
10/29/93

NO. DATE		REVISIONS		G.C. BY CHKD	
11/29/93 REVISION MADE TO NOTE					
LOT 8, BLOCK 14 TRACT 2, UNIT 1, NAA REVISED GRADING AND DRAINAGE PLAN					
 Resource Technology, Inc. <small>ENGINEERS & ENVIRONMENTAL SCIENTISTS</small> <small>2129 OSUNA NE - SUITE 300, ALBUQUERQUE, NEW MEXICO 87111</small> <small>TELEPHONE - (505) 345-3115</small>				JOB NO. 93-340 SHEET NO. 1 of 2	
DESIGNED BY:		DRAWN BY:		CHECKED BY:	
				DATE:	



PROFILE OF C.M.U. RETAINING WALL
 SCALE: 1" = 10' H
 1" = 5' V



C.M.U. RETAINING WALL
 NOT TO SCALE

Note: Retaining Wall Designed to resist overturning from lateral forces from out of bank arroyo flows and saturated earth pressure with all dirt on arroyo side of wall removed. Riprap is to provide additional scour and erosion protection to retaining wall footing.

I, Donald S. Dixon, Registered Professional Engineer No. 11043, do hereby certify that the retaining wall was built in substantial compliance with the plans and details shown on sheets 1 of 2 and 2 of 2 of Lot 8, Block 14, Tract 2, Unit 1, NAA Revised Grading and Drainage Plan.

Donald S. Dixon Date: 2/18/94

Donald S. Dixon
 10/29/93
 11/27/93

RECEIVED
 FEB 16 1994
 HYDROLOGY DIVISION

NO.	DATE	REVISIONS	BY
1	11/29/93	REVISION MADE TO DIMENSION OF FOOTING	G.C. [Signature]
LOT 8, BLOCK 14 TRACT 2, UNIT 1, NAA REVISED GRADING AND DRAINAGE PLAN			JOB NO. 93-340
Resource Technology, Inc. ENGINEERS & ENVIRONMENTAL SCIENTISTS 2129 OSUNA NE - SUITE 200, ALBUQUERQUE, NEW MEXICO 87113 TELEPHONE - (505) 345-3115			SHEET NO. 2 of 2
DESIGNED BY: DD, QC DRAWN BY: QC CHECKED BY: DD			DATE: OCTOBER 1993



BOARD OF COUNTY COMMISSIONERS

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DISTRICT 1

JACQUELYN SCHAEFER, VICE CHAIR
DISTRICT 5

ALBERT "AL" VALDEZ, MEMBER
DISTRICT 2

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DISTRICT 3

BARBARA J. SEWARD, MEMBER
DISTRICT 4

JUAN R. VIGIL, COUNTY MANAGER

County of Bernalillo

State of New Mexico

ONE CIVIC PLAZA, N.W.
ALBUQUERQUE, NEW MEXICO 87102
ADMINISTRATION (505) 768-4000
COMMISSION (505) 768-4217
FAX (505) 768-4329

MARK J. CARRILLO, ASSESSOR

JUDY D. WOODWARD, CLERK

THOMAS J. MESCALL, PROBATE JUDGE

RAY GALLAGHER, SHERIFF

H. R. FINE, TREASURER

April 6, 1993

Frank Lovelady, P.E.
Lovelady & Associates
7408 Morrow Avenue, NE
Albuquerque, New Mexico 87110

RE: ENGINEERS CERTIFICATION PLAN FOR LOT 10 BLOCK 14, TRACT 2, UNIT 1,
N.A.A., RECEIVED MARCH 25, 1993 FOR CERTIFICATION OF OCCUPANCY
RELEASE, (C-22/D26)

Dear Mr. Lovelady:

Attached is a letter dated March 10, 1992 outlining the requirements for release of Certification of Occupancy for lots 8 through 10, since they were reviewed as a package for Building Permit approval. As part of the approval a dike was required upstream from lot 10 to be built on lot 8. To date this dike has not been constructed or certified.

Prior to approval of the Certification of Occupancy release for Lot 10, this office would like for you as the Engineer of record, to certify that without the dike in place on lot 8, lot 10 will not be impacted by the 100-year floodplain.

This comment incorporates AMAFCA's and County Public Works review. Should you have any questions, please do not hesitate to call me at 768-2650.

Cordially,

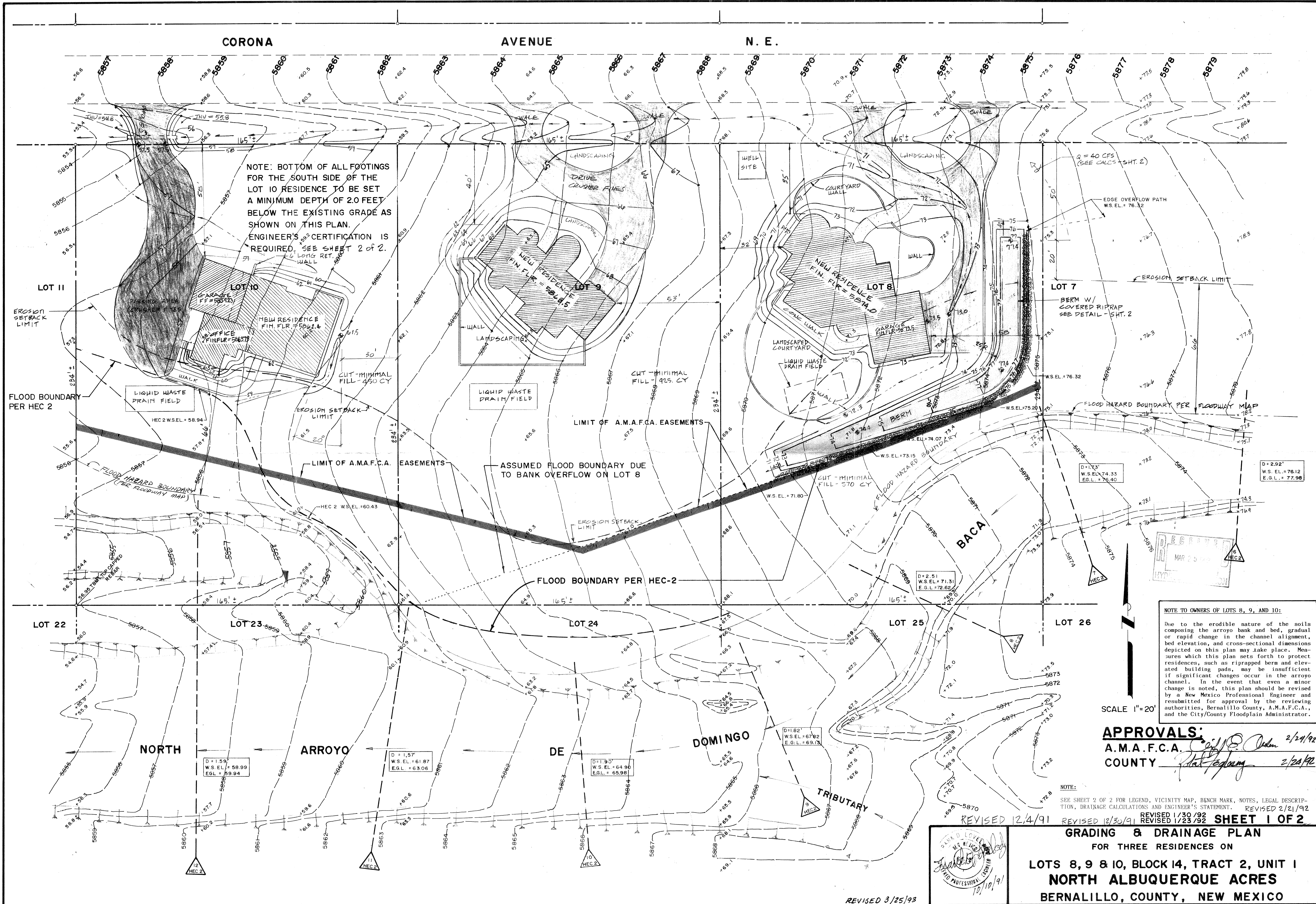
A handwritten signature in cursive script, appearing to read "Gilbert Aldaz".

Gilbert Aldaz, P.E. & P.S.
City/County Floodplain Administrator

xc: Clifford E. Anderson, AMAFCA
Bob Foglesong, Bernalillo County
Bob Morrow, Owner
Tom Burlison, County Building Dept.

File

GA/wp+3015



NOTE: BOTTOM OF ALL FOOTINGS FOR THE SOUTH SIDE OF THE LOT 10 RESIDENCE TO BE SET A MINIMUM DEPTH OF 2.0 FEET BELOW THE EXISTING GRADE AS SHOWN ON THIS PLAN. ENGINEER'S CERTIFICATION IS REQUIRED. SEE SHEET 2 OF 2.

NOTE TO OWNERS OF LOTS 8, 9, AND 10:
Due to the erodible nature of the soils composing the arroyo bank and bed, gradual or rapid change in the channel alignment, bed elevation, and cross-sectional dimensions depicted on this plan may take place. Measures which this plan sets forth to protect residences, such as riprapped berm and elevated building pads, may be insufficient if significant changes occur in the arroyo channel. In the event that even a minor change is noted, this plan should be revised by a New Mexico Professional Engineer and resubmitted for approval by the reviewing authorities, Bernalillo County, A.M.A.F.C.A., and the City/County Floodplain Administrator.

APPROVALS:
A.M.A.F.C.A. [Signature] 2/24/92
COUNTY [Signature] 2/24/92

REVISOR 12/4/91
REVISOR 12/30/91
REVISOR 1/23/92
SHEET 1 OF 2
GRADING & DRAINAGE PLAN
FOR THREE RESIDENCES ON
LOTS 8, 9 & 10, BLOCK 14, TRACT 2, UNIT 1
NORTH ALBUQUERQUE ACRES
BERNALILLO, COUNTY, NEW MEXICO
REVISED 3/25/93