DRAINAGE INFORMATION SHEET

C/2/0/Q

PROJECT TITLE: Golf Course Rd Storm Drain	ZONE ATLAS/DRNG.FILE #: Maps B-12-& C-12
DRB #:N/A EPC #:N/A	
LEGAL DESCRIPTION: North Branch Piedras M	
CITY ADDRESS: Golf Course Rd between Mide	
ENGINEERING FIRM: <u>Leedshill-Herkenhoff,Inc.</u>	CONTACT: Deborah Dixon
ADDRESS: 501 Copper Ave, Suite 500	PHONE: 247-0294
OWNER: <u>AMAFCA</u>	CONTACT: John Kelly
ADDRESS:	PHONE: 884-2215
ARCHITECT: N/A	CONTACT:
ADDRESS:	PHONE:
SURVEYOR: Walker Surveying	CONTACT:
ADDRESS:	PHONE:
CONTRACTOR: Condore Construction Co.	CONTACT:Bill Lindell
ADDRESS:P.O. Box 30106 (North 2nd)	PHONE: <u>344-3104</u>
TYPE OF SUBMITTAL: DRAINAGE REPORT DRAINAGE PLAN CONCEPTUAL GRADING & DRAINAGE PLAN GRADING PLAN EROSION CONTROL PLAN ENGINEER'S CERTIFICATION OTHER PRE-DESIGN MEETINGS: YES NO COPY PROVIDED	CHECK TYPE OF APPROVAL SOUGHT: SKETCH PLAT APPROVAL PRELIMINARY PLAT APPROVAL S.DEV. PLAN FOR SUB'D. APPROVAL S.DEV. PLAN FOR BLDG. PERMIT APPROVAL SECTOR PLAN APPROVAL FINAL PLAT APPROVAL FOUNDATION PERMIT APPROVAL BUILDING PERMIT APPROVAL CERTIFICATE OF OCCUPANCY APPROVAL GRADING PERMIT APPROVAL PAVING PERMIT S.A.D. DRAINAGE REPORT DRAINAGE REQUIREMENTS X OTHER Letter of Map Revision
DATE SUBMITTED: <u>December 6, 1995</u>	
BY: <u>Deborah Dixon</u>	
	F F

DEC 7 IS.



Federal Emergency Management Agency

Washington, D.C. 20472

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Martin J. Chavez Mayor, City of Albuquerque P.O. Box 1293 Albuquerque, New Mexico 87103 IN REPLY REFER TO:

Case No.: 96-06-057P

Community: City of Albuquerque, New Mexico

Community No.: 350002 Panel Affected: 0008 C

Effective Date of

This Revision: JAN31 1996

102-D

Dear Mayor Chavez:

This is in response to a request for a revision to the effective Flood Insurance Study and National Flood Insurance Program (NFIP) map for your community. Specifically, this responds to a letter dated November 6, 1995, from Ms. Susan M. Calongne, P.E., City/County Floodplain Administrator, City of Albuquerque, regarding the effective Flood Insurance Rate Map (FIRM) for the City of Albuquerque, New Mexico. Ms. Calongne requested that the Federal Emergency Management Agency (FEMA) revise the effective FIRM to show the effects of a concrete channel along the Middle Branch of the Piedras Marcadas Arroyo from Golf Course Road to approximately 1,510 feet upstream of Golf Course Road. The concrete channel has a bottom width of 10 feet and 2:1 side slopes. This request follows up on a Conditional Letter of Map Revision, which was issued on January 10, 1995.

All data required to complete our review of this request were submitted with Ms. Calongne's November 6 letter and a letter dated December 20, 1995, from Mr. Howard C. Stone, P.E., Vice President & Group Manager, Water Resources Group, Bohannan-Huston Inc. All fees necessary to process this Letter of Map Revision (LOMR), a total of \$1,210, have been received.

We have completed our review of the submitted data and the flood data shown on the effective FIRM, and have revised the FIRM to modify the floodplain boundary delineations of a flood having a 1-percent chance of being equaled or exceeded in any given year (base flood) along the Middle Branch of the Piedras Marcadas Arroyo from Golf Course Road to approximately 1,560 feet upstream of Golf Course Road. As a result of the project, the base flood is contained within the concrete channel. The sediment transport capacity of the channel is sufficient to transport the sediment entering the channel.

The modification is shown on the enclosed annotated copy of FIRM Panel 0008 C for the City of Albuquerque, New Mexico. This LOMR hereby revises this panel of the effective FIRM dated October 14, 1983.

The revisions are effective as of the date of this letter; however, a review of the determination made by this LOMR and any requests to alter this determination should be made within 30 days. Any request to alter the determination must be based on scientific or technical data.

Because this revision does not involve floodway changes, we are not revising the Flood Boundary and Floodway Map (FBFM); therefore, no annotated copies of the FBFM are enclosed.

FEB - 7 1996

L'ENDE.

Due to present funding constraints, we must limit the number of physical map revisions processed. Because we are processing a revised FIRM for Bernalillo County in our countywide format, we will not republish the FIRM for your community at this time. Preliminary copies of the countywide FIRM, which presents information from the effective FIRMs and FBFMs for your community and other incorporated communities in Bernalillo County, were submitted to your community for review on September 30, 1993. A revised preliminary countywide FIRM, incorporating revised flooding information, was submitted to your community for review on May 15, 1995. We will incorporate the modifications described in this LOMR into the countywide FIRM before final publication.

This response to Ms. Calongne's request is based on minimum floodplain management criteria established under the NFIP. Your community is responsible for approving all floodplain development, including this request, and for ensuring that necessary permits required by Federal or State law have been received. With knowledge of local conditions and in the interest of safety, State and community officials may set higher standards for construction, or may limit development in floodplain areas. If the State of New Mexico or your community has adopted more restrictive or comprehensive floodplain management criteria, these criteria take precedence.

The basis of this LOMR is, in whole or in part, a channel-modification/culvert project. NFIP regulations, as cited in Paragraph 60.3(b)(7), require that communities assure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management regulations. Consequently, the ultimate responsibility for maintenance of the storm drain system rests with your community.

Because this LOMR will not be printed and distributed to primary users, such as local insurance agents and mortgage lenders, your community will serve as a repository for these new data. We encourage you to disseminate the information reflected by this LOMR throughout the community, so that interested persons, such as property owners, local insurance agents, and mortgage lenders, may benefit from the information. We also encourage you to prepare an article for publication in your community's local newspaper. This article should describe the changes that have been made and the assistance that officials of your community will give to interested persons by providing these data and interpreting the NFIP maps.

The map panel as listed above and as revised by this letter will be used for all flood insurance policies and renewals issued for your community.

This determination has been made pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (Public Law 93-234) and is in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, Public Law 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria are the minimum requirements and do not supersede any State or local requirements of a more stringent nature. This includes adoption of the effective FIRM to which the regulations apply and the modifications described in this LOMR.

If you have any questions regarding floodplain management regulations for your community or the NFIP in general, please contact the Consultation Coordination Officer (CCO) for your community. Information on the CCO for your community may be obtained by contacting the Director, Mitigation Division of FEMA in Denton, Texas, at (817) 898-5127. If you have any technical questions regarding this LOMR, please contact Mr. Alan Johnson of our staff in Washington, DC, either by telephone at (202) 646-3403 or by facsimile at (202) 646-4596.

Sincerely,

Michael K/Buckley, P.E., Chief Hazard Identification Branch

Mitigation Directorate

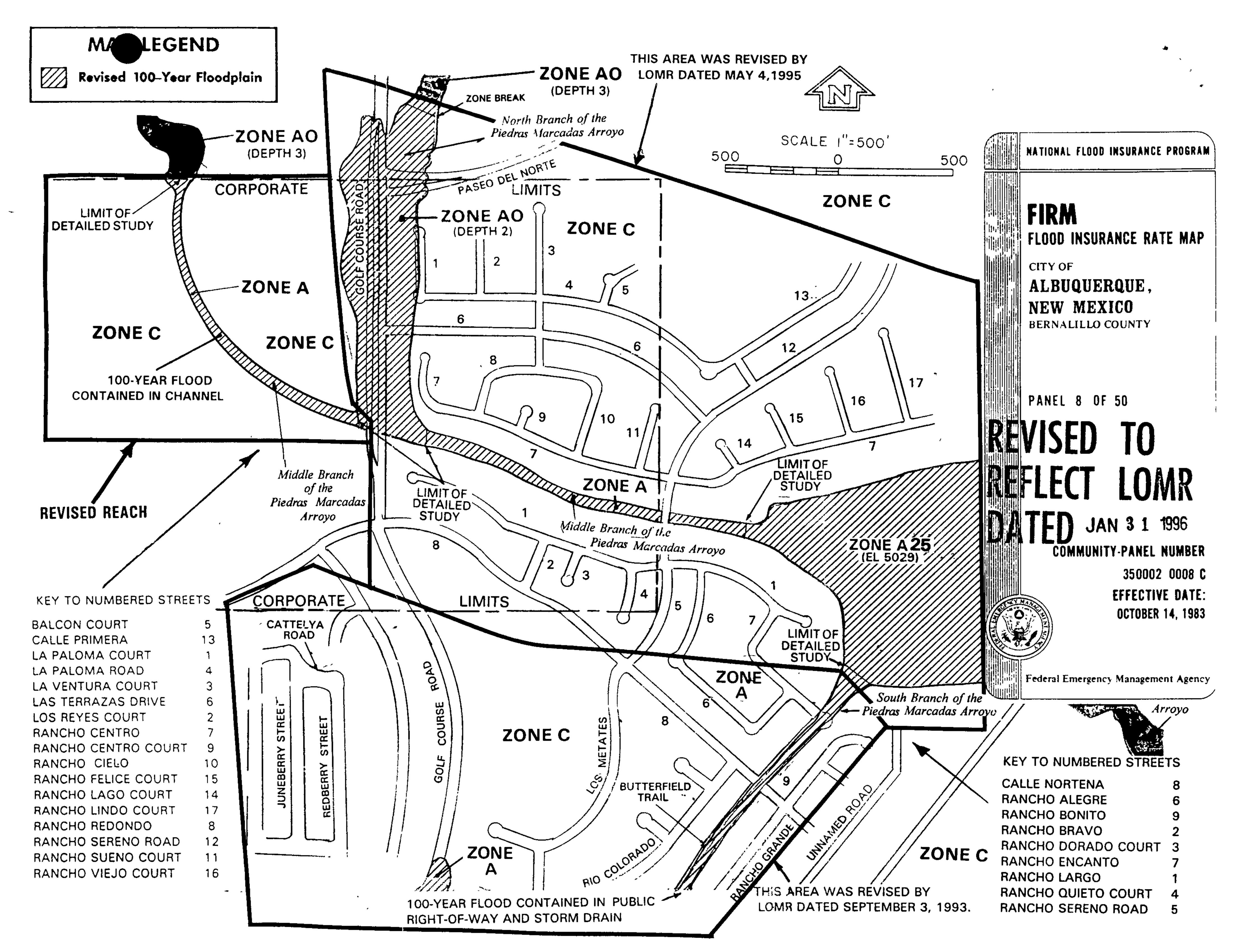
Enclosure

cc: Ms. Susan M. Calongne, P.E.

City/County Floodplain Administrator

City of Albuquerque

Mr. Howard C. Stone, P.E. Vice President & Group Manager Water Resources Group Bohannan-Huston Inc.





Federal Emergency Management Agency

Washington, D.C. 20472

APR 2 4 1995

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

IN REPLY REFER TO: Case No.: 95-06-139R

The Honorable Martin Chavez Mayor, City of Albuquerque P.O. Box 1293 Albuquerque, New Mexico 87103

Community: City of Albuquerque, New Mexico

Community No.: 350002

104

Dear Mayor Chavez:

This is in response to a letter dated February 28, 1995, from Ms. Deborah K. Dixon, P.E., Project Manager, Leedshill-Herkenhoff, Inc. (LHI), to the Federal Emergency Management Agency (FEMA) regarding the effective Flood Insurance Rate Map (FIRM) for the City of Albuquerque, New Mexico. With her letter, Ms. Dixon provided additional information to support a January 18, 1995, request for a Conditional Letter of Map Revision (CLOMR) from Ms. Susan M. Calongne, P.E., City/County Floodplain Administrator, City of Albuquerque. Ms. Calongne requested that FEMA evaluate the effect that a proposed storm drain system along the North Branch of the Piedras Marcadas Arroyo from its confluence with the Middle Branch of the Piedras Marcadas Arroyo to approximately 425 feet west of the intersection of Golf Course Road and Paradise Boulevard would have on the effective FIRM.

All data required by FEMA to evaluate this request were submitted with Ms. Calongne's January 18 letter and Ms. Dixon's February 28 letter. All fees necessary to process this CLOMR, a total of \$1,600, have been received.

We have reviewed the data submitted and the flood data used to prepare the effective FIRM for the City of Albuquerque, New Mexico. We believe that if the proposed project is constructed as described in the technical report entitled "CLOMR Submitted for Golf Course Road Storm Drain along the North Branch of the Piedras Marcadas Arroyo," dated December 22, 1994, and as shown on the construction plans entitled "North Branch Piedras Marcadas Arroyo, Golf Course Road Storm Drain," dated September 1994, both prepared by LHI, the 100-year floodplain boundaries will be delineated as shown on the above-mentioned construction plans.

The proposed storm drain system, when completed, will contain the 100-year flood, and the 100-year floodplain boundaries along the North Branch of the Piedras Marcadas Arroyo will be revised, from its confluence with the Middle Branch of the Piedras Marcadas Arroyo to approximately 600 feet west of the intersection of Golf Course Road and Paradise Boulevard. As a result of the proposed storm drain system, the Special Flood Hazard Area along the North Branch of the Piedras Marcadas Arroyo will be eliminated from the confluence with the Middle Branch of the Piedras Marcadas Arroyo to approximately 425 feet west of the intersection of Golf Course Road and Paradise Boulevard and will be decreased along the remainder of the revised reach.

Upon completion of the project, your community may submit the data listed below and request that we make a final determination on revising the effective FIRM.

An initial fee of \$225, which represents the minimum charges associated with a request of this type, must be submitted before we can process your revision request. Payment of this fee shall be made in the form of a check or money order made payable in U.S. funds to the National Flood Insurance Program (NFIP), or by credit card payment. The payment shall be forwarded to one of the addresses listed below.

For U.S. Postal Service:
Federal Emergency Management Agency
Fee-Collection System Administrator
P.O. Box 3173
Merrifield, Virginia 22116-3173

For overnight service:
Fee-Collection System Administrator
c/o Dewberry & Davis, METS Division
8401 Arlington Boulevard
Fairfax, Virginia 22031

• As-built plans, certified by a registered professional engineer, of all proposed project elements

The basis of this CLOMR is, in whole or in part, a proposed culvert project. Paragraph 60.3(b)(7) of the NFIP regulations requires that communities "assure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained." This provision is incorporated into your community's existing floodplain management regulations. Consequently, your community must agree to accept responsibility for the maintenance of the modified channel before allowing its construction.

This response to Ms. Calongne's request is based on minimum floodplain management criteria established under the NFIP. Your community is responsible for approving all proposed floodplain development, including this request, and for assuring that the necessary permits required by Federal or State law have been received. State and community officials, based on knowledge of local conditions and in the interest of human safety, may set higher standards for construction or may limit development in floodplain areas. If the State of New Mexico or your community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

If you have any questions regarding floodplain management regulations for your community or the NFIP in general, please contact the Consultation Coordination Officer (CCO) for your community. Information on the CCO for your community may be obtained by contacting the Director, Mitigation Division of FEMA in Denton, Texas, at (817) 898-5127. If you have any technical questions regarding this CLOMR, please contact Mr. Alan Johnson of our staff in Washington, DC, either by telephone at (202) 646-3403 or by facsimile at (202) 646-4596.

Sincerely,

Michael K. Buckley, P.E., Chief

Hazard Identification Branch
Mitigation Directorate

cc:

Ms. Deborah K. Dixon, P.E. Project Manager

LHI

Ms. Susan M. Calongne, P.E. City/County Floodplain Administrator Public Works Department/Hydrology City of Albuquerque

#/9



Federal Emergency Management Agency

Washington, D.C. 20472

January 29, 1996

Ms. Susan M. Calongne, P.E. City/County Floodplain Administrator City of Albuquerque P.O. Box 1293
Albuquerque, New Mexico 87103

IN REPLY REFER TO: Case No.: 96-06-127P

Community: City of Albuquerque, New

Mexico

Community No.: 350002

316-ACK

Dear Ms. Calongne:

This is in response to your request dated December 26, 1995, for a revision to the Flood Insurance Rate Map (FIRM) for the above-referenced community. Pertinent information about the request is listed below.

Identifier: Golf Course Road Storm Drain

Flooding Source: North Branch of the Piedras Marcadas Arroyo

FIRM Panels Affected: 0002 C and 0008 C

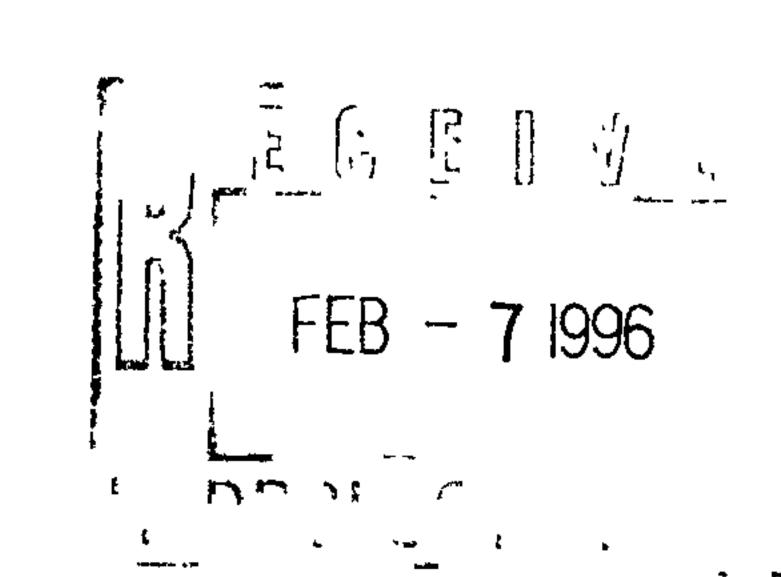
As you may know, the Federal Emergency Management Agency (FEMA) has implemented a procedure to recover costs associated with reviewing and processing requests for modifications to published flood information and maps. The initial fee of \$225 is the minimum charge associated with our review of a request of this type. You will be notified of the estimated costs if we anticipate that, due to the extent of the review required, the total costs will exceed \$3,500. In that situation, our review would be suspended pending our receipt of written authorization from you to proceed. If your request will result in a revision to the effective National Flood Insurance Program (NFIP) map, the total costs will include a fee of \$410 per revised panel to cover the costs of cartographic preparation.

We have completed an inventory of the items that you submitted. The items identified below are the additional items that are required before we can begin a detailed review of your request.

ITEM

1. We must receive the initial fee, \$225, before we will begin our review. Payment must be made in the form of a check or money order made payable in U.S. funds to the National Flood Insurance Program, or by credit card payment. For identification purposes, the case number referenced above must be included on the check or money order. Please forward this payment to:

Federal Emergency Management Agency
Fee-Collection System Administrator
P.O. Box 3173
Merrifield, Virginia 22116



Should you wish to use an overnight service to transmit your payment, please forward it to the following address in lieu of the address noted above:

Fee-Collection System Administrator c/o Dewberry & Davis METS Division 8401 Arlington Boulevard Fairfax, Virginia 22031

If <u>all</u> required items are not submitted within 90 days of the date of this letter, we will treat any subsequent request as an original submittal, and it will be subject to all submittal/payment procedures, including the initial fees.

For a flood-control project to be exempt from fees and processing costs, it must be sponsored by a Federal, State, or local government, intended for public benefit, and primarily intended for flood-loss reduction to insurable structures in identified flood hazard areas that were in existence prior to commencement of construction of the flood-control project.

Please direct all questions concerning your request to our Technical Evaluation Contractor at the following address:

Michael Baker Jr., Inc. 3601 Eisenhower Avenue, Suite 600 Alexandria, Virginia 22304

Attention: Mr. Monther S. Madanat (703) 317-6250

When you write us about your request, you must include the case number referenced above in your letter.

If you have any questions concerning FEMA policy, or the NFIP in general, please contact Mr. Alan Johnson of our staff in Washington, DC, either by telephone at (202) 646-3403 or by facsimile at (202) 646-4596.

Sincerely,

Michael K. Buckley, P.E., Chief Hazard Identification Branch

Michael Buckley

Mitigation Directorate

cc: Ms. Deborah K. Dixon, P.E. Project Manager Leedshill-Herkenhoff, Inc.



City of Albuquerque

ALBUQUERQUE, NEW MEXICO 87103 P.O. BOX 1293

December 26, 1995

Federal Emergency Management Agency Office of Risk Assessment 500 C Street, SW, Room 422 Washington, DC 20472

Case No:

95-06-139R

Community: City of Albuquerque

New Mexico

Community No: 350002

Attention:

MR. MICHAEL K. BUCKLEY, P.E., CHIEF

HAZARD IDENTIFICATION BRANCH

MITIGATION DIRECTORATE

Dear Mr. Buckley:

This submittal is in response to the letter from the Federal Emergency Management Agency (FEMA) to the City of Albuquerque dated April 24, 1995 requesting additional data in order for FEMA to prepare a Letter of Map Revision for the North Branch of the Piedras Marcadas Arroyo from the confluence with the Middle Branch of the Piedras Marcadas Arroyo to approximately 425 feet west of the intersection of Golf Course Road and Paradise Boulevard.

FEMA's letter requested the As-built plans, certified by a registered professional engineer, of all proposed project elements. These have been enclosed with this submittal along with the appropriate FEMA forms. FEMA also requested the initial review fee, however, this fee has not been included since the project was funded by a public agency, the Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA), and is therefore not applicable.

Your prompt response and approval for this LOMR would be greatly appreciated. If you should have any questions concerning this submittal, please call me at (505) 768-2666.

Sincerely,

Jusa Calagne Susan M. Calongne, P.E.

City/County Floodplain Administrator

Mr. Frank Pagano, Branch Chief, FEMA Region VI Deborah K. Dixon, Leedshill-Herkenhoff, Inc. John Kelly, AMAFCA



Federal Emergency Management Agency

Washington, D.C. 20472

December 4, 1995

Ms. Susan M. Calongne, P.E. City/County Floodplain Administrator City of Albuquerque P.O. Box 1293
Albuquerque, New Mexico 87103

IN REPLY REFER TO: Case No.: 96-06-057P

Community: City of Albuquerque, New Mexico

Community No.: 350002

316-ACK

Dear Ms. Calongne:

This is in response to your request dated November 6, 1995, for a revision to the Flood Insurance Rate Map (FIRM) for the above-referenced community. Pertinent information about the request is listed below.

Flooding Source:

Middle Branch of the Piedras Marcadas Arroyo

FIRM Panel. Affected:

0008 C

As you may know, the Federal Emergency Management Agency (FEMA) has implemented a procedure to recover costs associated with reviewing and processing requests for modifications to published flood information and maps. The initial fee of \$225 that you have submitted is the minimum charge associated with our review of a request of this type. You will be notified of the estimated costs if we anticipate that, due to the extent of the review required, the total costs will exceed \$3,500. In that situation, our review would be suspended pending our receipt of written authorization from you to proceed. If your request will result in a revision to the effective National Flood Insurance Program (NFIP) map, the total costs will include a fee of \$410 per revised panel to cover the costs of cartographic preparation.

We have completed an inventory of the items that you submitted. We have received all of the data and the initial fee we require to begin a detailed technical review of your request. If additional data are required, we will inform you within 30 days of the date of this letter.

Please direct all questions concerning your request to our Technical Evaluation Contractor at the following address:

Michael Baker Jr., Inc. 3601 Eisenhower Avenue, Suite 600 Alexandria, Virginia 22304

Attention: Mr. Monther S. Madanat (703) 317-6250

When you write us about your request, you must include the case number referenced above in your letter.

If you have any questions concerning FEMA policy, or the NFIP in general, please contact Mr. Alan Johnson of our staff in Washington, DC, either by telephone at (202) 646-3403 or by facsimile at (202) 646-4596.

Sincerely,

Michael K. Buckley, P.E., Chief

Hazard Identification Branch

Michael Buckley

Mitigation Directorate

cc:

Mr. Howard C. Stone, P.E. Water Resources Manager Bohannan-Huston, Inc.



December 5, 1995

Susan Colongne, P.E.
City/County Floodplain Administrator
Hydrology Section/PWD
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

RE: LOMR SUBMITTAL FOR GOLF COURSE ROAD STORM DRAIN ALONG THE NORTH BRANCH OF THE PIEDRAS MARCADAS ARROYO

CASE NO.: 95-06-139R

Dear Ms. Colongne:

Enclosed are two copies of a submittal to the Federal Emergency Management Agency for a Letter of Map Revision (LOMR) for your review. One is for your files and the other to forward to FEMA.

The purpose of this request is to amend the 100-year flood plain as shown on Panel 350002 0002C and Panel 350002 0008C of the National Flood Insurance Program Boundary and Floodway Maps for the City of Albuquerque, New Mexico. Correspondence was received by Mayor Chavez on April 24, 1995 from Michael Buckley, P.E., of FEMA, which approved the CLOMR submittal. That letter indicated that once the project was constructed, the Special Flood Hazard Area along the North Branch of the Piedras Marcadas Arroyo can be eliminated from the confluence with the Middle Branch of the Piedras Marcadas Arroyo to approximately 425 feet west of the intersection of Golf Course Road and Paradise Boulevard and will be decreased along the remainder of the revised reach.

As indicated in the FEMA correspondence, a final determination on revising the effective FIRM will be made upon submittal of a revision request, fee payment, and as-built plans. Attached you will find MT-2 Forms 1 and 2. It is my understanding that the project owner, Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA), is not obligated to pay a review fee since it is a public agency. Project construction was completed June 9, 1995. Attached you will also find as-built plans of the culvert project elements.

Susan Colongne, P.E. December 5, 1995
Page 2

Thank you for your review of this submittal. Please call Richard Stockton or me if you have any questions or if further information is necessary.

Deborah K. DIXON, P.E.

Project Manager

Enclosures

cc: John Kelly, AMAFCA

FEDERAL EMERGENCY MANAGEMENT AGENCY REVISION REQUESTOR AND COMMUNITY OFFICIAL FORM

O.M.B. Burden No. 3067-0148 Expires July 31, 1997

FEMA USE ONLY

PUBLIC BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 2.13 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing and reviewing the form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden, to: Information Collections Management, Federal Emergency Management Agency, 500 C Street, S.W., Washington, DC 20472; and to the Office of Management and Budget, Paperwork Reduction Project (3067-

		1. OVERV	IEW			
Impro	Existing Proposed ved methodology ved data way revision	(are):(check all that app				
	Explain Refer to	CLOMR Submittal,	Case No	• 95_06_13	∩ D	
Z. Plooding Source	e: North Branch	<u>of the Piedras Ma</u>	arcadas A	rroyo	<u> </u>	
3. Project Name/Ic	lentisier: Golf Cou	rse Road Storm Dr	ain			
(example: A, A	ignations affected: AH, AO, A1-A30, A99, Danel(s) affected for all Community	AE, V, V1-30, VE, 15, C impacted communitie	C, D, X) s is (are):			
No.	Name	County	State	Map No.	Panel No.	Effective Date
X: 480301 480287 350002 350002	Katy, City Harris County Albuquerque Albuquerque	Harris, Fort Bend Harris Bernalillo Bernalillo	TX TX NM NM	480301 48201C 350002	0005D 0220G 0002C 0008C	02/08/83 09/28/90 10/14/83 9/15/83
Riverine Coastal Alluvial Fan Shallow Floo Lakes Affecte wind/w Yes No Other(describ Attach complete	eding (e.g. Zones AO and ed by vave action	Bridge/Coastal Coastal Fill Pump St None Channel Exc::vati Other (de Storm drain of Registered Profession	lization loodwall Culvert Relocation ion escribe) conveyanc nal Engine	X Sti Ge La Oti	Discipline ater Resources Hydrology Hydraulic Sediment Sediment Interior Directural otechnical nd Surveying her (describe)	s Transport rainage
		2. FLOODWAY INFO				
Does the affected Does the revised If yes, give reaso	ricodway delineation	a floodway designated differ from that shown	on the effection the effection	ctive FIRM or F ctive FIRM or F	BFM?	s X No

1100	uwa	copy of either a public notice distributed by the community stating the community's intent to revise the y or a statement by the community that it has notified all affected property owners and affected adjacent tions.
9. [oes N//	the State have jurisdiction over the floodway or its adoption by communities participating in the NFIP?
f ye	es, a rova	ttach a copy of a letter notifying the appropriate State agency of the floodway revision and documentation of the all of the revised floodway by the appropriate State agency.
		3. PROPOSED ENCROACHMENTS
10.	Wi	th floodways:
	1.	A. Does the revision request involve fill, new construction, substantial improvement, or other development in the floodway? Yes No N/A
	1	B. If yes, does the development cause the 100-year water surface elevation to increase at any location by more than 0.000 feet? N/A
11.	Wi	thout floodways:
	2	A. Does the revision request involve fill, new construction, substantial improvement, or other development in the 100-year floodplain? 🛛 Yes 🔲 No
	21	B. If yes, does the cumulative effect of all development that has occurred since the effective SFHA was originally identified cause the 100-year water surface elevation to increase at any location by more than one foot (or other surcharge limit if community or state has adopted more stringent criteria)? ☐ Yes ☑ No
141, 17	r 16	swer to either Items 1B or 2B is yes, please provide documentation that all requirements of Section 65.12 of the gulations have been met, regarding evaluation of alternatives, notice to individual legal property owners, ence of CEO, and certification that no insurable structures are impacted.
		4. REVISION REQUESTOR ACKNOWLEDGMENT
^2 .	Ha	ving read NFIP Regulations, 44 CFR Ch. I, parts 59, 60, 61, and 72, I believe that the proposed revision is is not in compliance with the requirements of the aforementioned NFIP Regulations.
<u>.</u>		5. COMMUNITY OFFICIAL ACKNOWLEDGMENT
13.	Wa	s this revision request reviewed by the community for compliance with the community's adopted floodplain nagement ordinances? XYes No
14.	Doe	es this revision request have the endorsement of the community? $oxed{f X}$ Yes $\;oxed{f \Box}$ No
If no	to e	ither of the above questions, please explain:
Pleas (b) of	se no	ote that community acknowledgment and /or notification is required for all requests as outlined in Section 65.4 NFIP Regulations.
		6. OPERATION AND MAINTENANCE
15.	Do X	pes the physical change involve a flood control structure (e.g., levees, floodwalls, channelization, basins, dams)? Yes 🔲 No
	If ye	es, please provide the following information for each of the new flood control structures:
		Inspection of the flood control project will be conducted periodically by City of Albuquerque, NM entity
		with a maximum interval of 12months between inspections.
	B.	Based on the results of scheduled periodic inspections, appropriate maintenance of the flood control facilities will be conducted by City of Albuquerque, NM
		(entity) to ensure the integrity and degree of flood protection of the structure.
	C.	A formal plan of operation, including documentation of the flood warning system, specific actions and assignments of responsibility by individual name or title, and provisions for testing the plan at intervals not less than one year. \[\begin{align*} \text{has we have a control of the flood control structure} \end{align*}

	main	tenance	and operation plans of the Golf Course	perform e Road S	ing overseeing compliance with the torm Drain		
	flood will p	control rovide t	structure. If not performed promptly by an the necessary services without cost to the Fe		(Name)		
Attac	h operation	n and m	aintenance plans				
16.	A Ct on a	•	7. REQUESTED RESPONSE FR	ROM FEMA			
. U.	Anter exam Amendmen a:	ining that to Fl	ne pertinent NFIP regulations and reviewing ood Insurance Maps: A guide for Communit	ng the docu y Officials	ment entitled "Appeals, Revisions, and s," dated January 1990, this request is fo		
	a. CLO	OMR	A letter from FEMA commenting on whether a proposed project, if built as proposed, would justify a map revision (LOMR or PMR), or proposed hydrology changes (see 44 CFR Ch. I, Parts 60, 65, and 72).				
<u> </u>	_b. LOMR A letter from FEMA officially revising the current NFIP map to show changes to floodplai floodways, or flood elevations. LOMRs typically depict decreased flood hazards. (See 44 Cl. Ch. I Parts 60 and 65.)						
	c. PMI	•	A reprinted NFIP map incorporating char Because of the time and cost involved to cl PMR is usually processed when a revision changes. (See 44 CFR Ch. I, Parts 60 and 6	reflects in	odplains, floodways, or flood elevations. Fint, and redistribute an NFIP map, a acreased flood hazards or large-scope		
	d. Othe	er:	Describe				
			0 F00446				
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9. INITIAL REVIEW FEE

18. The minimum initial review fee for the appropriate requ	lest category has been included.
Initial fee amount: \$ N/A - Project Owner	
	er navable to · National Elect terms
or 19. This request is for a project that is for public benefit and	
or 20. This request is to correct map errors, to include the effect hazard, or solely to provide more detailed data.	ets of natural changes within the areas of special flood
Note: I understand that my signature indicates that all information submitted in support of this request is correct.	Note: Signature indicates that the community understands, from the revision requester, the impacts of the revision on flooding conditions in the community.
Debonah LDefo	June M Calonne
Signature of Revision Requester Deborah K. Dixon Water Resources Engineer Printed Name and Title of Revision Requester	Signature of Community Official SUSAN M. CALONGNE CITY/COUNTY FLOODPLAIN ADMINISTRATOR Printed Name and Title of Community Official
Leedshill-Herkenhoff, Inc. Company Name	CITY OF ALBUQUERQUE, NEW MEXICO Community Name
(505) 247-0294 12/6/95 Telephone No. Date	12-26-95
Does this request impact any other communities?	
If yes, attach letters from all affected jurisdictions acknowledg if applicable.	ing revision request and approving changes to floodway,
ote: Although a photograph of physical changes is not requ	ired, it may be helpful for FEMA's review.

Revision Requestor and Community Official Form

FEDERAL EMERGENCY MANAGEMENT AGENCY CERTIFICATION BY REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR FORM

O.M.B. Burden No. 3067-0148 Expires July 31, 1997

FEMA USE ONLY

PUBLIC BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average . 23 hour per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing and reviewing the form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden, to: Information Collections Management, Federal Emergency Management Agency, 500 C Street, S.W., Washington, DC 20472; and to the Office of Management and Budget, Paperwork Reduction Project (3067-0148), Washington, DC 20503.

1. This certification is in accordance with 44 CFR Ch. I, S	Section 65.2				
2. I am licensed with an expertise in hydraulics , sediment transport [example: water resources (hydrology, hydraulics, sediment transport, interior drainage)* structural, geotechnical, land surveying.]					
o it a to					
years experience in the exp					
4. I have prepared reviewed the attached support	ting data and analyses related to my expertise.				
5. I 🖾 have 🗆 have not visited and physically viewed	the project.				
6. In my opinion, the following analyses and /or designs, is	s/are being certified:				
storm drain, floodplain revision, and s	ediment analysis				
 Base upon the following review, the modifications in plants and specifications. 	ace have been constructed in general accordance with plans				
Basis for above statement: (check	call that apply)				
a. D Viewed all phases of actual const	ruction.				
b. Compared plans and specification	ns with as-built survey information.				
	ns and compared with completed projects.				
d. D Other					
All information submitted in support of this request is c false statement may be punishable by fine or imprisonn Name: <u>Deborah K. Dixon</u>	correct to the best of my knowledge. I understand that any nent under Title 18 of the United States Code, Section 1001.				
(please	print or type)				
'itle: Water Resources Engineer					
(pleuse	print or type)				
egistration No. 9918	Expiration Date: 12/31/95				
tate New Mexico					
ype of License Professional Engineer	DEBORAH K. Olyo				
Schorah & Dien	EW MENIC				
Signature Occumber 4, 1995 Date	STEEL SS 18				
	PROFESSIONAL				
Specify Subdiscipline	Seul (Optional)				

Note: Insert not applicable (N/A) when statement does not apply.

FEDERAL EMERGENCY MANAGEMENT AGENCY CERTIFICATION BY REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR FORM

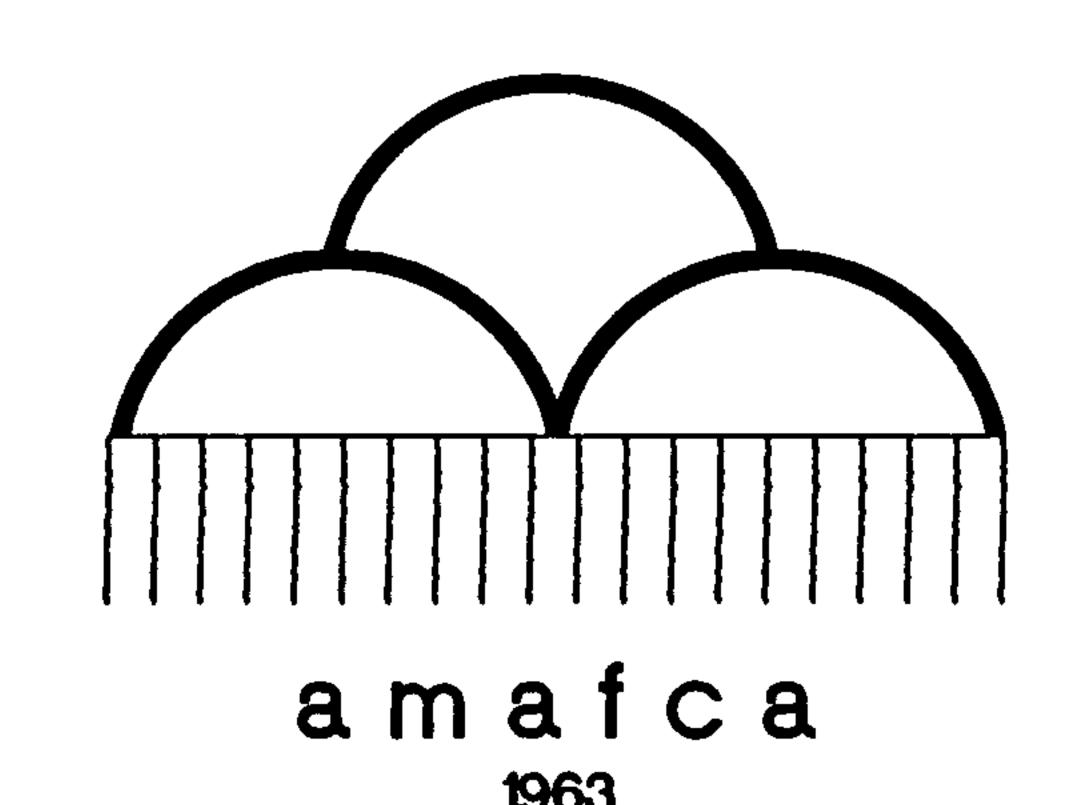
O.M.B. Burden No. 3067-0148 Expires July 31, 1997 **FEMA USE ONLY**

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Reduction Project (3067-0148), Washington, DC 20503.	
1. This certification is in accordance with 44 CFR Ch. I, Sec	ction 65.2
2. I am licensed with an expertise in Structural	• • • • • • • • • • • • • • • • • • •
[example: water resources (hydrology, hydraulics, sedim geotechnical, land surveying.]	ient transport, interior drainage)* structural,
3. I have $\frac{5\frac{1}{2}}{}$ years experience in the exper	
4. I have prepared reviewed the attached supporting	ng data and analyses related to my expertise.
5. I \square have \square have not visited and physically viewed the	ne project.
6. In my opinion, the following analyses and /or designs, is/a	
special inlets and transition structure	
7. Base upon the following review, the modifications in placand specifications.	ce have been constructed in general accordance with plans
Basis for above statement: (check a	all that apply)
a. D Viewed all phases of actual constru	
b. Compared plans and specifications	
c. Examined plans and specifications	
d. Dther	and damper our was comproved projects.
Name: <u>Ruth Godshall Matunis</u>	ent under Title 18 of the United States Code, Section 1001.
	rint or type)
	De e e e e θ 1 100Γ
Registration No. 12148	Expiration Date: December 31, 1995
State New Mexico	
ype of License Professional Engineer	
Zuff Godfield Maticula	·
$\frac{12}{5}/\frac{95}{95}$ Date	
Specify Subdiscipline	Seul (Optional)
ote: Insert not applicable (N/A) when statement does not app	m) w
	gry.

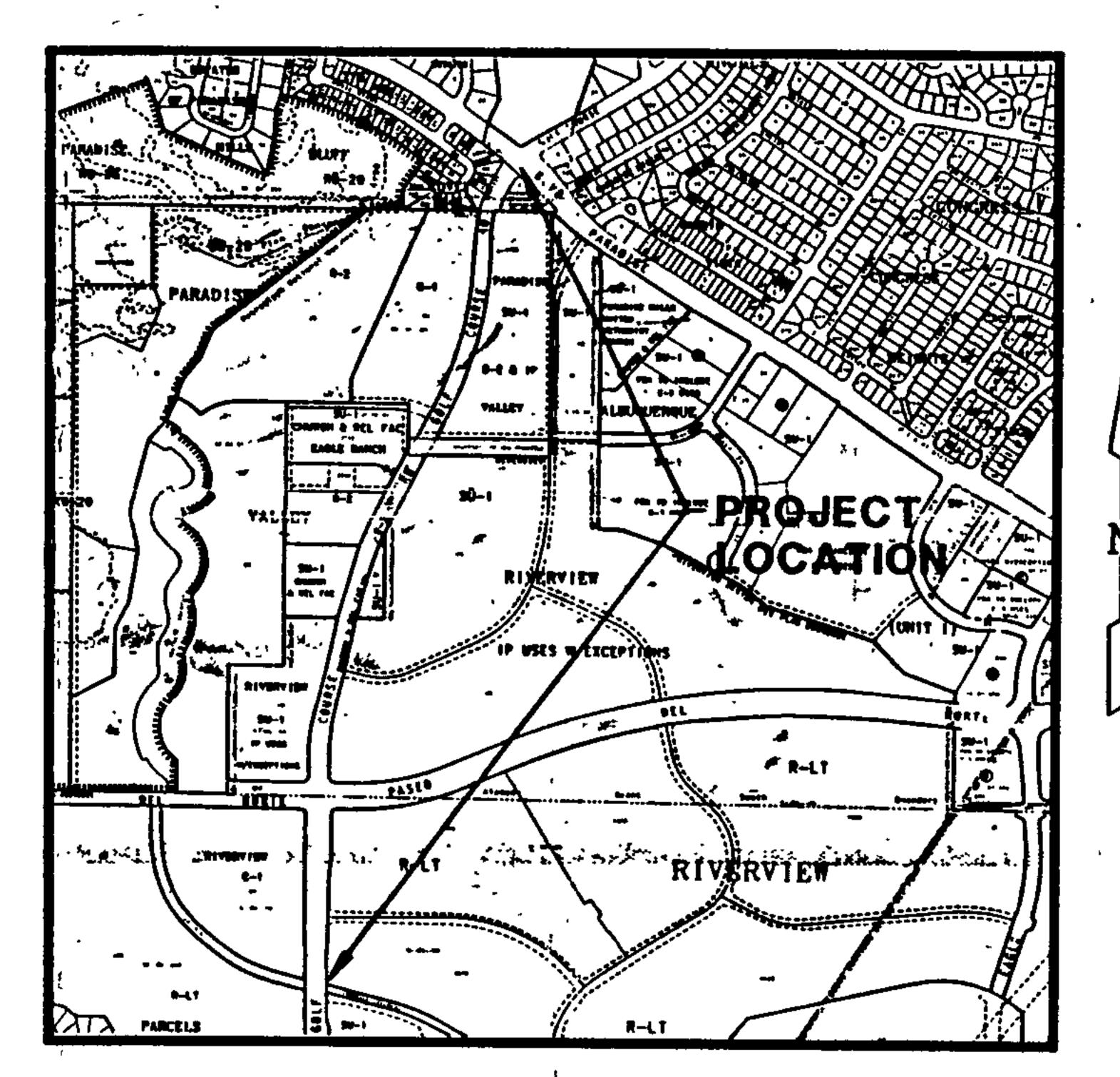
NORTH BRANCH PIEDRAS MARCADAS ARROYO GOLF COURSE ROAD STORM DRAIN





INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION	
C1	COVER SHEET, INDEX OF DRAWINGS, AND LOCATION MAP	C21	STORM DRAIN LATERAL CROSS SECTIONS	
C2	LEGEND, ABBREVIATIONS AND GENERAL NOTES	C22	STORM DRAIN LATERAL CROSS SECTIONS	
C3	SURVEY CONTROL PLAN AND SOIL BORING LOGS	C23	STORM DRAIN LATERAL CROSS SECTIONS	
C4	TRAFFIC CONTROL PLAN ADVANCE WARNING SIGN PLACEMENT	C24	STORM DRAIN LATERAL CROSS SECTIONS	
C5	TRAFFIC CONTROL PLAN: STORM DRAIN INSTALLATION SOUTH OF PASEO DEL NORTE	C25	SANITARY SEWER PLAN AND PROFILE	
C6	TRAFFIC CONTROL PLAN STORM DRAIN INSTALLATION SE QUADRANT PASEO DEL NORTE AND GOLF COURSE ROA	AD C26	GOLF COURSE ROAD PLAN AND GRADING	
C7	TRAFFIC CONTROL PLAN: STORM DRAIN INSTALLATION NE QUADRANT PASEO DEL NORTE AND GOLF COURSE RO	DAD C27	GOLF COURSE ROAD PROFILES	
C8	TRAFFIC CONTROL PLAN: STORM DRAIN INSTALLATION GOLF COURSE ROAD AND PARADISE BLVD	C28	PASEO DEL NORTE PLAN AND GRADING	
C9	TRAFFIC CONTROL PLAN: INTERSECTION RECONSTRUCTION WEST SIDE GOLF COURSE ROAD AND PASEO DEL NO	RTE C29	PASEO DEL NORTE PROFILES	
C10	TRAFFIC CONTROL PLAN: INTERSECTION RECONSTRUCTION SE QUADRANT PASEO DEL NORTE AND GOLF COURSE	E ROAD C30	TRAFFIC AND STREET LIGHT REMOVAL AND REPLACEMENT	
C11	TRAFFIC CONTROL PLAN: INTERSECTION RECONSTRUCTION NE QUADRANT PASEO DEL NORTE AND GOLF COURSE	E ROAD C31	CATTLE GUARD INLET PLAN AND DETAILS	
C12	TRAFFIC CONTROL PLAN: GOLF COURSE ROAD AND PARIDISE BLVD	C32	DROP INLET STRUCTURE AT STA 63+90	
C13	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS	C33	CAST-IN PLACE TRANSITION SECTION	
C14	TYPICAL TRAFFIC AND SIGNING EXAMPLES (REF. M.U.T.C.D.)	C34	DROP INLET STRUCTURE	
C15	STORM DRAIN PLAN AND PROFILE STA 10+00 TO STA 20+00	C35	TYPICAL SECTION AND DETAILS	_
C16	STORM DRAIN PLAN AND PROFILE STA 20+00 TO STA 32+00	X-1	RICHLAND HILLS UNIT TWO GRADING AND EROSION CONTROL PLAN	_
C17	STORM DRAIN PLAN AND PROFILE STA 32+00 TO STA 44+00	X-2	RICHLAND HILLS UNIT THREE GRADING AND EROSION CONTROL PLAN	R
C18	STORM DRAIN PLAN AND PROFILE STA 44+00 TO STA 55+50	X-3	RICHLAND HILLS UNIT THREE GRADING AND EROSION CONTROL PLAN	- J
C19	STORM DRAIN PLAN AND PROFILE STA 55+50 TO STA 63+92	X-4	RICHLAND HILLS UNIT TWO PIEDRAS MARCADAS MAIN BRANCH INTERIM LOW FLOW DRAINAGE CHANNEL	[*
C20	STORM DRAIN LATERAL CROSS SECTIONS	X-5	RICHLAND HILLS UNIT TWO PIEDRAS MARCADAS MAIN BRANCH INTERIM LOW FLOW DRAINAGE CHANNEL	•



VICINITY MAP

NORTH BRANCH PIEDRAS MARACADAS ARROYO GOLF COURSE ROAD STORM DRAIN

SCALE: 1" = 400'
(ZONE ATLAS MAP NO. B-12 AND C-12)

PROJECT REFERENCES:

- DRAFT PIEDRAS MARCADAS DRAINAGE MANAGMENT PLAN REVISION. MOLZEN-CORBIN AND ASSOC., MAY 1993
- CLOMR FOR MIDDLE BRANCH OF PIEDRAS MARCADAS ARROYO, BOHANNAN-HUSTON, INC., 1994
- GOLF COURSE ROAD STORM DRAIN DESIGN ANALYSIS REPORT AND COMPUTATIONS, LEEDSHILL-HERKENHOFF, INC., 1994
- CLOMR FOR NORTH BRANCH OF PIEDRAS MARCADAS ARROYO, LEEDSHILL-HERKENHOFF, INC., 1994

8/3/95 AS-BUILT MARK-UPS LH JOB NO 94011.42

TYPICAL:
ATT STATIONS AND OFFSETS FOR MANHOLES ARE TO THE CENTER
OF THE MANHOLE LID. RECALL THAT THE LIDS ARE OFFSET.

RFCORD DRAWING

NOV 2 1 1995

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction at ectually performed

APPROVED FOR CONSTRUCTION

LARRY A. BLAIR
EXECUTIVE ENGINEER

AMAFCA

REDRAWN FOR

RECORD PURPOSES

1/94011.11c01/cweqcvr/9-20-95/XH

REV SHEET. S. CITY ENGINEER DATE USER DEPT. DATE USER DEPT. DATE

APPROVAL OF REVISIONS

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP

LEEDSHILL—HERKENHOFF, INC. Copper Ave. N.W. P.O. Box 1217
P.O. Box 1217
Albuquerque, New Mexice 87103 (505) 247-0294

PROJECT NO. 5039.90

C1 40

