

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 15, 1995

Kent M. Whitman Community Sciences Corp. P.O. Box 1328 Corrales, NM 87048

RE: ENGINEER CERTIFICATION FOR LOS POBLANOS COURTYARD FINANCIAL

GUARANTEE RELEASE (F13-D22) CERTIFICATION STATEMENT DATED

4/19/95.

Dear Mr. Whitman:

Based on the information provided on your May 10, 1995 submittal, Engineer Certification for Financial Guarantee Release is acceptable.

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

Sincerely,

Seener/Montage
Bernie J. Montoya, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
Theresa Lucero
File

LOS POBLANOS COURTYARD SUBDIVISION (MAP #F-13)

PREPARED FOR

WEST MONTANO LAND PARTNERSHIP

PREPARED BY

COMMUNITY SCIENCES CORPORATION
P. O. BOX 1328
CORRALES, NEW MEXICO 87048

AUGUST, 1994

SEP - 2 1991

Thomas J. Bellon, Jr.

Stephen L. Crawford

8-31-9

REGIS

10274

SURVEYING
LAND PLANNING
CIVIL ENGINEERING
DEVELOPMENT CONSULTANTS

CHOIMEER.

P.O. Box 1328

Corrales, New Mexico 87048

Tel (505) 897-0000 Fax (505) 898

I. PURPOSE AND SCOPE

West Montano Land Partnership is currently planning for the development of Los Poblanos Courtyard. The proposed development consists of approximately 5.0 acres and is to be subdivided into 15 residential lots.

This report presents an overall Drainage Management and Conceptual Grading Plan for approval by the City of Albuquerque in order that subsequent subdivision and development may commence.

II. SITE DESCRIPTION AND HISTORY

The project site is located on the south side of Montano Road, just east of Rio Grande Boulevard (see Plate 1).

The project title is Los Poblanos Courtyard and is described as being comprised of a portion of Tract 8 of Los Poblanos Ranch, also known as Tract 8A1A1B, M.R.G.C.D. Map 31 situated within the Elena Gallegos Grant "Projected" Section 31, T11N, R3E, N.M.P.M., City of Albuquerque, Bernalillo County, New Mexico.

The existing 5.0 acre site is almost flat (less than 0.2% slope to the north). There is no drainage outfall for the land and the entire site lies within the 500-year floodplain as defined by FEMA Floodway Map #350002-0015. A portion of the site near Montano Road is located within a 100-year localized flooding area (flood elevation = 4971.2). The project site is located between existing developments (east and west of the site) and receives little or no off-site flows from them, but there are some flows from the public right-of-way that do reach the project site. The south side of the project abuts an elevated M.R.G.C.D. lateral. The flooding near Montano Road is primarily the result of direct run-off from the project site combined with public R-O-W flows (64% site flow and 36% public flow). The City of Albuquerque has plans to improve Montano Road, including the construction of a storm drain system. This system will resolve the flooding problem.

The site is currently vacant. The proposed use is to be for construction of 15 lots for single family home sites.

III. DESIGN CRITERIA

A. Flood Control Regulations

The drainage plan presented in this report has been designed to comply with AMAFCA resolution 80-15, which requires that proposed land development projects be designed such that no flooding of private properties will occur during any storm up to and including the 100-year frequency event. Additionally, this drainage plan has been designed to comply with current "City of Albuquerque Drainage Ordinance" and Chapter 22 of the Development Process Manual (DPM), and subsequently adopted general policies of the City of Albuquerque.

1. 100-year storm

- a. Stormwater flow depth not to exceed the top of curb in any street.
- b. Jump depth to be contained within right-of-way.

2. 10-year storm:

- a. Local street velocity times depth less than 6.5
- b. Arterial streets:
 - i. Flow not to exceed a depth of 0.50
 - ii. Velocity times depth less than 6.5
 - iii. One driving lane in each direction free of stormwater

B. Engineering Parameters

In accordance with AMAFCA criteria, all hydrological analysis is based on the 100-year frequency, 6-hour duration storm, as represented in Section 22.2, Hydrology, of the "Development Process Manual, Volume 2, Design Criteria for the City of Albuquerque, New Mexico, January 1993".

Ten-year, 6-hour values were also used for subcatchments, in accordance with City drainage policies regarding street flow.

The four rainfalls pertinent to the study are as follows:

Rainfall Zone 2

	10-Year	<u> 100-Year</u>
One-Hour	1.34"	2.01"
Six-Hour	1.57"	2.35"_

IV. COMPUTATIONAL PROCEDURES

The analysis approach follows standard engineering practice. Key points of confluence were selected and the associated individual and aggregate contributing basins were subsequently defined.

Hydrological computations were accomplished by means of the March 1992 version of AHYMO Computer Program as developed by AMAFCA. The input parameters and resulting flows for the basins are summarized on Table 1. Summary and detailed AHYMO printouts are contained in Appendix A.

Times of concentration were estimated using the Upland Method and then converted to times to peak (Lg), in accordance with the above referenced Section 22.2 which also establishes the minimum time of concentration as 12 minutes.

Flow characteristics for conveyance swales, channels, and streets were analyzed based on the Manning equation for uniform flow. Streets are assumed to have a 2% cross slope from lip of gutter to crown and a curb and gutter per City of Albuquerque Standard details. Finished grade at the right-of-way is 0.33' above top of curb.

V. OFF-SITE DRAINAGE

Off-site flows that reach the Los Poblanos Project Site consist of Roadway and right-of-way runoff from Montano Road. These flows come from both the east and west to a sump point in the

right-of-way adjacent to the Los Poblanos Site. The runoff upon reaching there, ponds onto the project site.

The configuration of Montano road is a 106' wide right-of-way with a 24' wide paved strip, centered within the right-of-way. On either side of the paving is an earthen ditch. The paved strip is crowned at the center, so that half the runoff flows to each of the ditches.

The ditch on the southern side, adjacent to the project site, contains flows from the westerly high point at the Griegos Drain (~350'± from westerly boundary of the site) to the easterly high point at the entrance to the Rancho Caballeros Estates (~1600'± from the easterly boundary of the site). A series of inlets and pipes under the driveways to the developed properties, along the south side of Montano Road, allow the runoff to flow to the sump point adjacent to the Los Poblanos Site. Under existing conditions approximately 9.7 cfs is generated by the 2.79 Ac. of public right-rof way and is tributary to the existing ponding condition on the Los Poblanos Site (V₁₀day = 0.39 - Ac-FI).

This public land flow is about 38%, by Q₁₀₀'s, of the total Q₁₀₀ that reaches the Los Poblanos (Site (~45% of total, by volume).

This area will continue to drain to the same low point until the proposed improvements in Montano Road, including a storm drain system, are constructed.

Until the final improvements to Montano Road are constructed, a retention basin will be provided on private property (Lot 15), within an easement, to allow ponding to an elevation of 4971.2 (100-1) year flood elevation established previously).

VI. ON-SITE DRAINAGE

Existing conditions for the project site are that the site flows to Montano Road at a slope less than 0.2% (1' or less of fall from back to front of site). The 5.0 acre site generates approximately 15.7 cfs that ponds on the site and in the ROW when it combines with offsite flows.

Proposed improvements for the site will include building pads and a public street, Los Poblanos Court. (Each lot will have its rear yards drain to a private pond, to be maintained by the thomeowner. Each lot's front and side yards and pads will drain to the public street, Los Poblanos-Court, and thence to Montano Road. Near the intersection with Montano Road, the irunoff will be captured by storm drain inlets.

(Runoff captured by the above inlets will ultimately be conveyed via pipe to the proposed storm? Idrain system in Montano Road. In the interim period these flows will be conveyed to the proposed retention pond, to be located in an easement on Lot 15.

[Flows generated by the project site, via Los Poblanos Court, will be approximately 10.2 cfs. This is then public flow; the project site will contribute about 50% of all flows reaching the pretention basin, therefore maintenance for the retention basin should be performed by the City (Agreements pending).

An area, approximately 0.35 acres, at the southerly boundary of the site is to be left undeveloped. This land has two (2) existing public water lines (30" and 20") running under it. No provisions for draining it, other than to allow ponding on it, for the amount of runoff that will be generated by the area itself will be made.

The project will provide for all drainage of the development, Los Poblanos Courtyard. Flow in Los Poblanos Court for mountable curb will be about 0.28'± depth and flow for standard curb will be about 0.33'± depth.

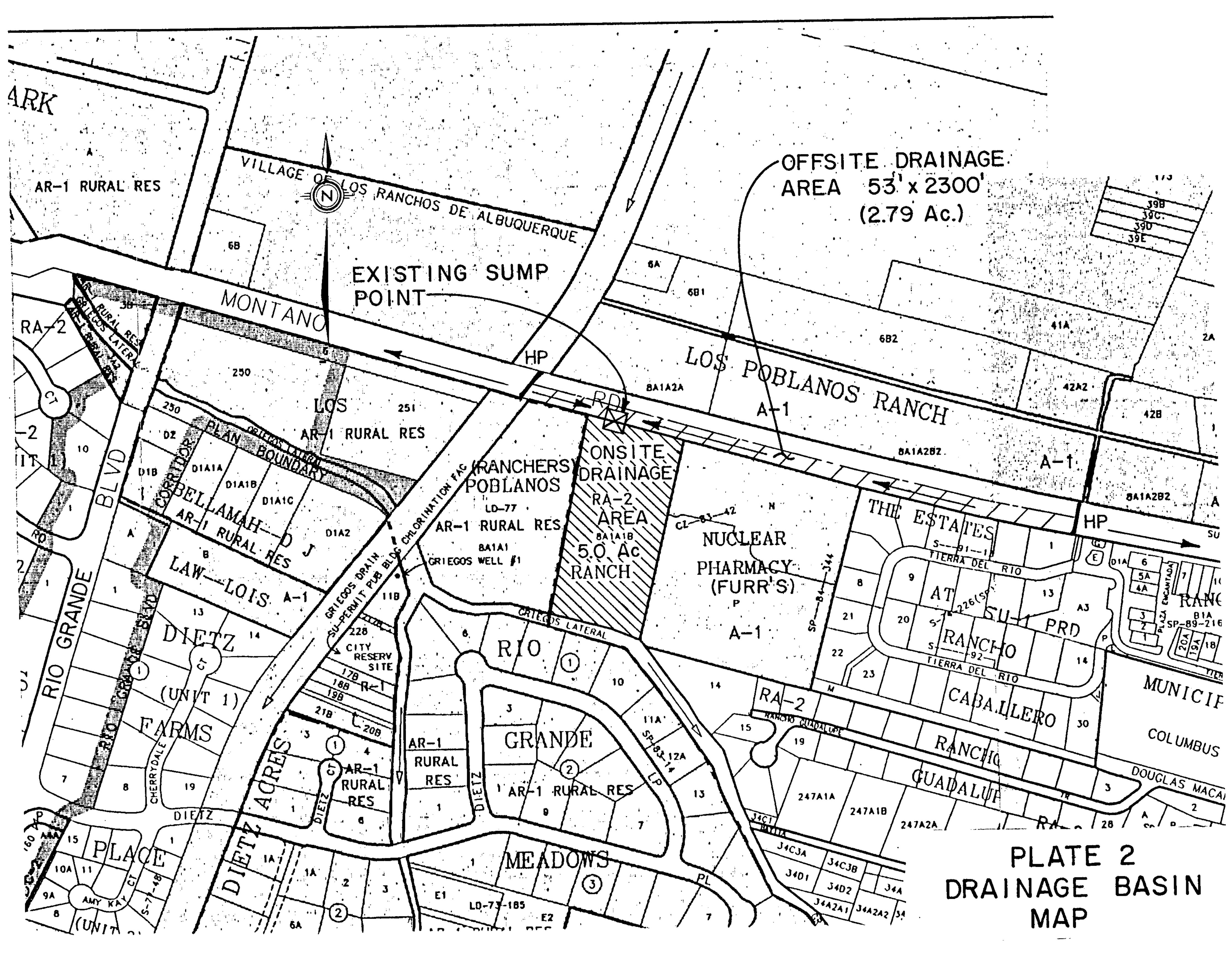
To summarize the on-site drainage, the proposed development will reduce the amount of runoff that will reach Montano Road by about 33% from the site. Under existing conditions, 15.7 cfs flows from the site to Montano Road, after the development only 10.2 cfs will.

(At Montano Road the 10.2 cfs will be conveyed to the retention pond and the 9.7 cfs in the thousand Road R-O-W will pond within the R-O-W until it overtops the bank and flows into the retention basin provided on Lot 15 (thus site flows and public flows will be about 50% each).

Ultimately when the Montano Road improvements proposed by the City are constructed, all flows (~19.9 cfs) will be captured by the storm drain system.

VII. EROSION CONTROL

Control of excessive soil erosion into City streets and drainage improvements during construction will be accomplished by use of temporary lot line, water-trap berms. These will be windrowed into place following mass grading operations and left in place until each home is constructed and sold. Plate 3 illustrates the dimensions of these berms, and they will be located along those boundaries of each lot which are common to City rights-of-way or public easements.



I. EXISTING HYDROLOGY

The existing run-off rate and volume for the 6-hour, 100-year rainfall event, per DPM 22.2 Tables A-8 and A-9 are as follows:

ON-SITE:

E =
$$1.13 \times 5./5.0 = 1.13$$
 inches
V = $1.13 \times 5.0/12 = 0.47$ ac ft = 20,510 cf
Q = $3.14 \times 5.0 = 15.7$ cfs

In the 100-year, 10-day rainfall event the volume of run-off does not increase, there are no existing impervious areas.

OFF-SITE:

Public Property Hydrology (Montano) 1/2 Right-of-Way - Q

$$A_T \cong 53' \times 2295' = 121,635 \text{ sf} = 2.79 \text{ ac}$$

Impervious area = 12' x 2295' = 27,540 sf = 0.63 ac $(\sim 22.6\% \text{ of total area})$

E =
$$(1.13 \times 2.16 + 2.12 \times 0.63)/2.79 = 1.35$$
"
 $V_{6 \text{ Hr.}} = 1.35 \times 2.79/12 \cong 0.31 \text{ ac ft} = (13,672 \text{ cf})$
Q = $(3.14 \times 2.16 + 4.70 \times 0.63) = 9.74 \text{ cfs}$
 $V_{10 \text{ day}} = 0.31 + 0.63 (3.95 - 2.35)/12 = 0.39 \text{ ac ft}$

SUMMARY: Total $Q_{EX} = 15.7 \text{ cfs} + 9.7 \text{ cfs} = 25.4 \text{ cfs}$ at sump point

Ex. conditions % Public by Q100 = $9.7/25.4 = 0.382 \cong 38\%$ % Public by Vol = $0.39/0.86 = 0.453 \cong 45\%$

II. PROPOSED HYDROLOGY

In the developed condition, the house roofs, the side yards and the front yards will drain to the street. The rear yards will drain to individual yard ponds. The run-off from and entering the street will drain to a pond on Lot 15-P1. The capacity of the pond is greater than the volume of run-off from a 100-year, 10-day rainfall event plus the volume required due to the flood plain displacement on Lots 1-P1, 2-P1, 3-P1 and 15-P1. The calculations are as follows:

ON-SITE:

Area = 5.6	0 acres	Rainta	all = 2
Land Trea	atment Front	Rear	R-O-W (South P.L.)
Α			
В	0.65	1.50	
С	0.60	0.45	0.35
D	1.45		
TOTAL	2.70	1.95	0.35

Front

 $\overline{\text{EF}} = (0.78 \times 0.65 + 1.13 \times 0.60 + 2.12 \times 1.45)/2.70 = 1.58$ $VF_{6 \text{ Hr.}} = 1.58 \times 2.70/12 = .036 \text{ ac ft}$ $VF_{10 \text{ day}} = 0.36 + 1.45 \times (3.95 - 2.35)/12 = 0.55 \text{ ac ft}$ $QF = 2.28 \times 0.65 + 3.14 \times 0.60 + 4.70 \times 1.45 = 10.2 \text{ cfs}$

Rear

 \overline{ER} = (0.78 x 1.50 + 1.13 x 0.45)/1.95 = 0.86 $\overline{VR}_{6 \, Hr.}$ = 0.86 x 1.95/12 = 0.14 ac ft $\overline{VR}_{10 \, day}$ = 0.14 ac ft (no impervious areas) \overline{QR} = 2.28 x 1.50 + 3.14 x 0.45 = 4.8

Rear Yard Pond Required Volume 0.14 ac ft/15 = 0.00093 ac ft = 407 cf Approximate Size = 20' x 40' x 0.5'

R-O-W (South P.L.) (Waterlines) $E = (1.13 \times 0.36)/.36 = 1.13"$ $V_{6 \text{ Hr.}} = 1.13 \times .36/12 = 0.03 \text{ ac ft}$ $V_{10 \text{ day}} = 0.03 \text{ ac ft (no impervious areas)}$ $Q = 3.14 \times 0.36 = 1.1 \text{ cfs}$

OFF-SITE:

No change from Existing Conditions

III. PROPOSED DRAINAGE SOLUTIONS

A portion of Lot 15-P1 will be utilized as a temporary retention pond for the subdivision. When the storm drain system is constructed in Montano Road, run-off from the

subdivision will be diverted to the storm drain system and Lot 15-P1 pond will be returned to a buildable status. Until Montano is constructed, all run-off from the Los Poblanos Court and from the ditch adjacent to Montano Road will be diverted into the pond. The pond volume calculations are as follows:

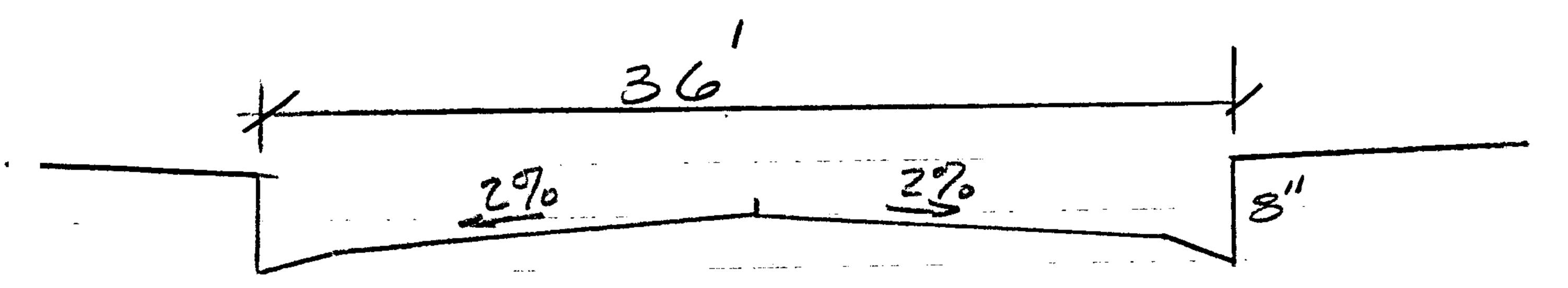
Volume of Displaced Flood Plain = 25,800 cf = 0.59 ac ftVolume of Run-off = 0.55 + 0.14 - 0.47 - 0.03 = 0.19 ac ft

TOTAL 0.78 ac ft = 33,976

Pond Volume at top elevation 71.2 and bottom elevation = 65.0 35,960 cf > 33,976 cf (required pond size okay)

Area @ elevation 71.2 $(115 + 125)/2 \times 70' = 8400 \text{ sf}$ Area @ elevation 65.0 $(40 + 35)/2 \times 85' = 3200 \text{ sf}$ Vol = $(8400 + 3200)/2 \times 6.2' = 35,960 \text{ cf}$

STREET CAPACITY CALCULATIONS



 $S_0 = 2.170$ (@1Nle+s)

So= 0.4%

Q100 = 10,2 CFS

To top of crown of ST: R= 6.64/36.88 = 0,180

 $A = (12 \times 2') + (16 \times .32) + (32 \times 2') \times 2 = 6.645F$

(a,4%:QcAp = 1.486 (6.64)(0.18)2/3(.004) = 13,26 CFS

: WITH 10,2 CFS Flow 15 BElow the CROWN OF The ST. - DEPTH of Flow 15 less than 0.44

@2.1%: QCAP= 1.486 (6.64)(0.18)360.021)= 30.4 CFS

STREET FILLED TO THE CROWN - DEPTH IS LESS THAN 0.44

Try Depth of Flow = 0.35: $R = \frac{1.90}{13.85} = 0.137$ $A = (.12 \times 2') + (11.5' \times .23') + (2' \times .23') \times 2' = 3.8055F$ $A_{25+} = 1.90255F / L_{2} = 13.85'$

@0.4%: $Q_{CAP/2} = \frac{1.486}{.015}(1.90)(.137)^{2/3}(.004)^{1/2} = 3.16 cfs$ $Q_{Full} = 3.16 \times 2 = 6.32 cfs$

: DEPTH Flow FOR 10, 20FS IS A BOVE .35

DE170:, QCAP/2 1.486 (1.90) (.137) (.021) = 7,85CFS

QCAP/2 1015 (1.90) (.137) (.021) = 7,85CFS

(.10.2CFS WOULD HAVE DEPTH LOWER

THAN 0.35' (10.2<14.5CFS)

TRY DEPTH OF Flow = 0.30': $A_{FW} = (.12'\times2') + (9'\times.18') + (.18'\times2')\times2 = 2.225F$ $R_{1/25T} = 1.118F / L_{1/2} = 11.3' R = 1.11/11.3 = 0.098$ $02.170: Q_{CAP} = \frac{1.486}{.015}(1.11)(.098)^{2/3}(021)^{1/2} = 3.38 CFS$ $Q_{FW} = (0.8CFS) (< 10.2 CFS)$ 0.30' = 0.30' $0.30' \neq 0.35'$

FOR THE MOUNTABLE CORB PORTION OF

THE PROJECT DEPTH WILL BE BETWEEN

0.35' & 0.4' FOR FULL Q

FOR 1/2 Q depth & 0.88:

•

and the same of th

INLET CALCULATIONS!

DEPTH OF FROW @ INLETS = 0.33'

So = 0.021 @ INLETS (0.015 15 UPSTREAM)

12 ST. Q100 = 5.1 CFS

USING PLATE 22.3 D-5, for SINGLE GRATE-TYPEA:
CAPTORE = 3.8CFS/INLET

I. BYPASS = SILEFS - 3.8 CFS = 1.3 CFS/IN/ET

FOR 100/REVENT & C. GUFS WILL FLOW TO DITCH

ADJACENT TO MONTANO Rd. - WHEN

FUTURE INLET: PROPOSED BY CITY, IS

CONSTRUCTED THIS QUILL BE INTERCEPTED

for 10yr Q = 3.4 CFS for 1/2 ST; D = 0.30' CAPTURE = 3.1 CFS/INCET

: BYPASS = 34-3,1 = 0,3eFS/IN/ET FOR TOYREVENT; ONLY O,6EFS WILL REACH MONTANO Rd DITCH,

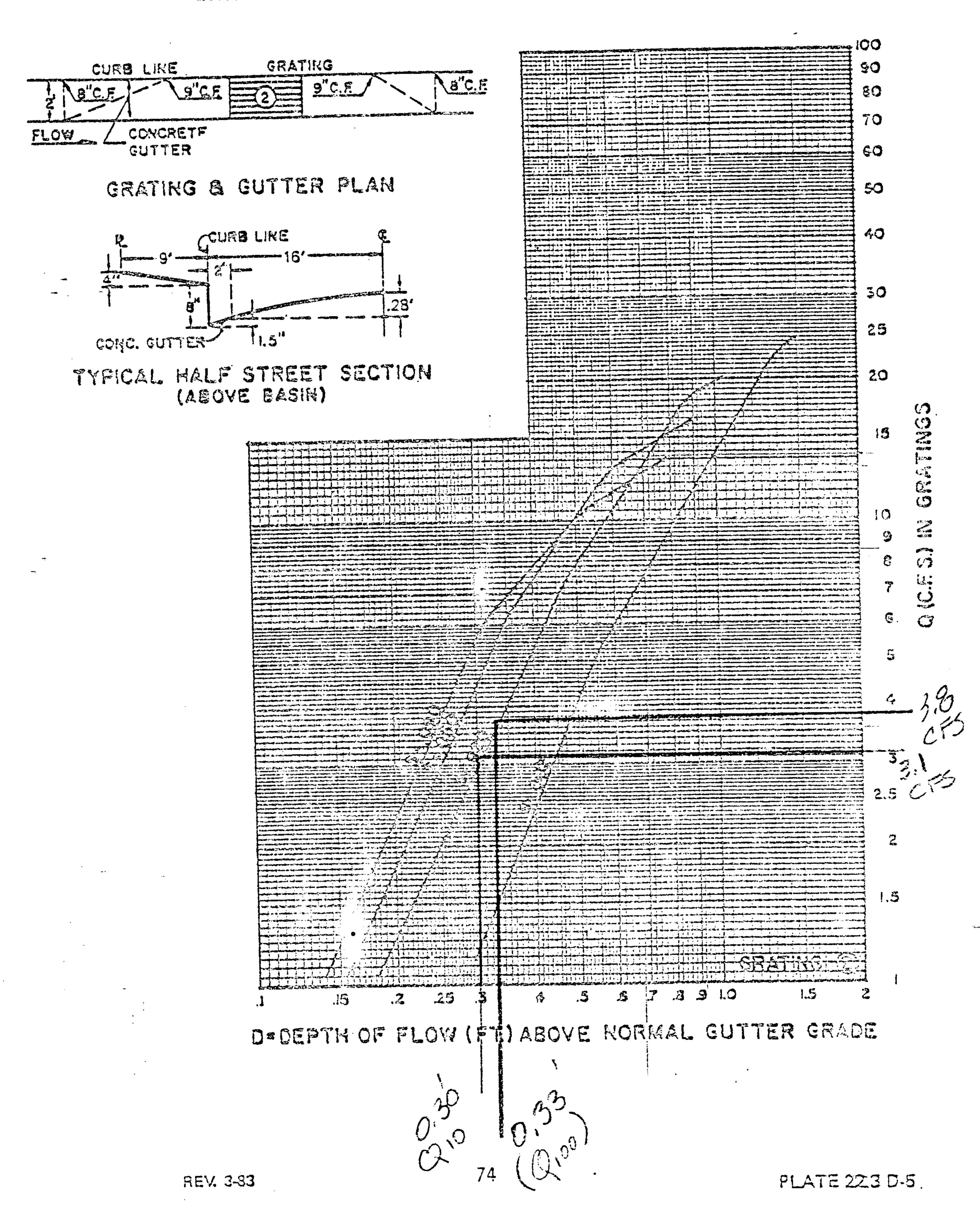
For $Q_{100} = \frac{1}{V} = \frac{1}{4} + 0.5' + 1.2' = \frac{1}{2} + \frac{1}{605} = \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} = \frac{1}{2} + \frac{1}{2} = \frac{1}{2} = \frac{1}{2} + \frac{1}$

PIPE Flow: 24" RCP - @ 0.5% MIN(So)

Pype $Q_{100}^{-}(3.8\times2) = 7.60cFs$ $S_{100}^{-}(3.8\times2) = 7.60cFs$ $S_{100}^{-}(3.8\times2) = 7.60cFs$

S=0.001 < S=0.0.05

Flow should BE OPEN CHNNI/NON-PRESSURE
PIPE since obe





August 6, 1997

Martin J. Chávez, Mayor

Mr. Monther S. Madanat Michael Baker Jr., Inc. 3601 Eisenhower Avenue, Suite 600 Alexandria, Virginia 22304-6439

RE: Request for A Letter of Map Revision Based on Fill for Los Poblanos Courtyard Subdivision, City of Albuquerque, New Mexico, Community No. 350002, FIRM Panel 35001C0118D.

Dear Mr. Madanat:

The purpose of this letter is to request a Letter of Map Revision based on Fill for the above referenced subdivision. This request consists of the removal of the structures from the floodplain due to the placement of fill. No request was sent to FEMA for a CLOMR-F for this project.

Enclosed with this letter are the Application and Certification forms for requesting revisions to the National Flood Insurance Program (NFIP) maps. Along with the forms are the As-Built drawings and the initial review fee of \$800.00.

The City of Albuquerque has reviewed and accepted the Engineer's Certification submitted in this report. Our Community would greatly appreciate your prompt response and approval for this Letter of Map Revision Based on Fill. If you should have any questions concerning this submittal, please call me at (505) 924-3982. If you should have any questions regarding the subdivision plans, please contact the engineer.

Sincerely,

Susan M. Calongne, P.E.

City/County Floodplain Administrator

Attachments

c: Kent M. Whitman, P.E., Community Sciences Corporation (Letter only)
Dr. Sam Wershaw, West Montano Land Partnership (Letter only)
File (F13/D22)





Federal Emergency Management Agency

Washington, D.C. 20472

SEP 10 1997

The Honorable Martin J. Chavez Mayor, City of Albuquerque P.O. Box 1293 Albuquerque, New Mexico 87103 IN REPLY REFER TO CASE NO. 97-06-1111A Community: City of Albuquerque, New Mexico

Community No.: 350002

Map Panel Affected: 35001C0118 D Map Effective Date: September 20, 1996

218-65-RS

Dear Mayor Chavez:

We reviewed a request dated August 6, 1997, from Ms. Susan M. Calongne, P.E., City/County Floodplain Administrator, City of Albuquerque/Bernalillo County, for a Letter of Map Revision. All required information for this request, including the required review and processing fee, was received on August 13, 1997. Using the information submitted and the effective National Flood Insurance Program (NFIP) map, we determined portions of the property described below are in a Special Flood Hazard Area (SFHA), the area that would be inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood); however, the structures on the property are not in the SFHA. This property was elevated by the placement of fill after the date of the earliest NFIP map showing the area in the SFHA.

Property Description: Lots 1-P1, 2-P1, and 15-P1, Los Poblanos Courtyard, as shown on the Plat

recorded as Instrument No. 95063087 in Volume 95C, Folio 232, in the Office

of the Recorder, Bernalillo County, New Mexico

Flooding Source:

Ponding

This letter revises the above-referenced NFIP map to remove the structures from the SFHA. The structures are now in Zone X (shaded), an area of moderate flooding outside the SFHA. Flood insurance coverage for the structures may be available under a low-cost policy (see enclosed document). Because portions of the property remain in the SFHA, any future construction or substantial improvement on the property remains subject to Federal, State, and local regulations for floodplain management.

The enclosed document provides additional information about Letters of Map Revision. If you have any questions about this letter, please contact Ms. Agnes De Coca of our staff in Washington, DC, either by telephone at (202) 646-2746 or by facsimile at (202) 646-4596.

Sincerely,

Frederick H. Sharrocks, Jr., Chief Hazard Identification Branch

Hobard Dancelofs

Mitigation Directorate

Enclosure

cc: Community Map Repository

Ms. Susan M. Calongne, P.E. City/County Floodplain Administrator City of Albuquerque/Bernalillo County

Mr. Kent M. Whitman, P.E. Vice President Community Sciences Corporation

LOS POBLANOS COURTYARD

PREPARED FOR:

DR. SAM WERSHAW

JULY, 1997

PREPARED BY:

COMMUNITY SCIENCES CORPORATION

CORRALES., NEW MEXICO

(505) 897-0000



KENT M. WHITMAN, P.E.

F.O. Box 1528 Corrales, New Mexico 87048 (505) 897-0000 Fax (505) 898-5195 July 21, 1997

Ms. Susan Colongne City/County Floodplain Administration City of Albuquerque Hydrology Division 200 2nd Street NW Albuquerque, NM 87102

RE: LOMR-F Application for Los Poblanos Courtyard

Dear Ms. Colongne:

On behalf of West Montano Land Development, the owner of Los Poblanos Courtyard, Community Sciences Corporation (CSC) is requesting that FEMA complete its review and approval of the attached LOMR-F application and remove the structures on Lots 1, 2, and 15 from the Zone AH flood hazard area.

The attached preliminary Grading and Drainage plan contains the hydrologic analysis for this site. Although the lot configuration was changed with the Final Plat, as shown on the Grading Certification, the drainage was not changed, Lot 16 has been eliminated and combined with Lot 15 but the area remains a retention pond. This pond contains sufficient volume to replace the displaced floodplain and contain the increased runoff due to this development.

Since this development does not have any adverse affect on this floodplain due to filing these lots and the pads are setting 1.7' to 1.9' above the SFHA, CSC is requesting that the Zone AH designation be removed for the structures on Lots 1, 2, and 15 of Los Poblanos Courtyard. If you have any questions concerning this matter please contact Billy McCarty at (505) 897-0000.

Sincerely,

Kent M. Whitman, P.E.

Vice President

KMW/lls

CC.

Dr. Sam Wershaw, Owner

FEDERAL EMERGENCY MANAGEMENT AGENCY PROPERTY INFORMATION

O.M.B. Burden No. 3067-0147 Expires July 31, 1997 FEMA USE ONLY

PUBLIC BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 1.63 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 (3067-0147), Washington, DC 20503.

Community Name: Albuquerque	County: Bernalillo State: NM
Community Number: 350002	Panel or Map Number: 118
Effective Date: September 20, 1996	
Street Address of Property: N/A	
Description of Property Lot and Block (if a street address call Los Poblanos Courtyard	annot be provided): Lots 1, 2, and 15 of
Are you requesting that the SFHA designation be removed a property, (b) a portion of land within the bounds of the property the structure(c) on the property?	erty (metes and bounds description is required), o
the structure(s) on the property? (Answer "a," "b," or "c")	<u> </u>
Is this request for (a) a single residential structure or lot, (b) structures or lots? (Answer "a", "b" or "c") If existing) a single commercial structure or lot, (c) multiple
Is this request for (a) a single residential structure or lot, (b) structures or lots? (Answer "a", "b" or "c")) a single commercial structure or lot, (c) multiple structure, what was the date of construction?N
Is this request for (a) a single residential structure or lot, (b) structures or lots? (Answer "a", "b" or "c") C If existing Is this request prior to the transfer of ownership of the property owner? _\mathbb{X} Yes \ _\notinne{\text{No}} No	a single commercial structure or lot, (c) multiple structure, what was the date of construction? Nerty in question from a developer to an individual
Is this request for (a) a single residential structure or lot, (b) structures or lots? (Answer "a", "b" or "c") If existing Is this request prior to the transfer of ownership of the property owner? \(\omega \) Yes \(\omega \) No Is this request for (a) existing conditions or (b) proposed pro	a single commercial structure or lot, (c) multiple structure, what was the date of construction? erty in question from a developer to an individual ject? (Answer "a" or "b") A
Is this request for (a) a single residential structure or lot, (b) structures or lots? (Answer "a", "b" or "c") C If existing Is this request prior to the transfer of ownership of the property.	a single commercial structure or lot, (c) multiple structure, what was the date of construction? Nerty in question from a developer to an individual ject? (Answer "a" or "b") A ructure? Yes If yes, when? April 1995

11. I have e	enclosed the following documents in support of this request:
<u>X</u>	a. Copy of the Plat Map (with recordation data) with recorder's seal
N/A	b. Copy of the Deed (with recordation data), accompanied by a tax assessor's map, plat map or other suitable map showing the surveyed location of the property with recorder's seal (For these maps a map scale must be provided and they should not be reduced or enlarged)
X	c. Copy of the effective FIRM panel on which the property location has been accurately plotted (If the request is for more than one lot/structure, this location must be certified by a licensed land surveyor or registered professional engineer)
X	d. A map showing the locations of any structures existing on or proposed for the property (certified by a licensed land surveyor or registered professional engineer) See attached Grading Certification
N/A	e. Metes and bounds description and accompanying map (only if the request is for a portion of land within the bounds of the property, not structure(s) only)
X	f. Elevation Information form
<u>X</u>	g. Community Acknowledgment form (only if fill has been/will be placed)
<u>X</u>	h. Certification of Fill Compaction form (only if fill has been/will be placed and the request is not for a single residential structure)
	Initial fee (see page 7 of instructions for initial fees and exemptions)
X	i. Multiple - lot LOMR-F, not following a CLOMR-F \$505.00 (Type of request)
•	(amount enclosed)
Insuinfor	(amount enclosea)
ENCL Chec Insu	MENT OSED ck or money order only. Make check or money order payable to: National Flood brance Program. If paying by Visa or Mastercard please refer to the credit card
ENCL Check Insurinfor	MENT OSED ck or money order only. Make check or money order payable to: National Flood brance Program. If paying by Visa or Mastercard please refer to the credit card mation form which follows this form. j. Additional information: Letter to Susan Colongne, Preliminary Grading and Drainage Plan (please specify)
ENCL Check Insurinform X All documents of the second seco	MENT OSED ck or money order only. Make check or money order payable to: National Flood trance Program. If paying by Visa or Mastercard please refer to the credit card mation form which follows this form. j. Additional information: Letter to Susan Colongne, Preliminary Grading and Drainage Plan (please specify) ments submitted in support of this request are correct to the best of my knowledge. I understand that any tement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.
ENCL Check Insurinform X All documents of the second seco	MENT OSED ck or money order only. Make check or money order payable to: National Flood larance Program. If paying by Visa or Mastercard please refer to the credit card mation form which follows this form. j. Additional information: Letter to Susan Colongne, Preliminary Grading and Drainage Plan (please specify) ments submitted in support of this request are correct to the best of my knowledge. I understand that any tement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001. Name: Community Sciences Corporation
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ENCL Check Insurinform X All documents in false states Applicant's in the state of	MENT OSED OSED OSE or money order only. Make check or money order payable to: National Flood OSED OSE or money order only. Make check or money order payable to: National Flood OSE or money order only. Make check or money order payable to: National Flood OSE or money order only. Make check or money order payable to: National Flood OSE or money order only. Make check or money order payable to: National Flood OSE or money order only. Make check or money order payable to: National Flood Ose or money order only. Make check or money order payable to: National Flood Ose or make or money order only. National Flood Ose or money order only. Make check or money order payable to: National Flood Ose or money order only. Make check or money order payable to: National Flood Ose or money order only. Make check or money order payable to: National Flood Ose or money order only. Make check or money order payable to: National Flood Ose or money order only. Make check or money order payable to: National Flood Ose or money order only. Make check or money order payable to: National Flood Ose or money order only. Make check or money order payable to: National Flood Ose or money order only. Make check or money order payable to: National Flood Ose or money order only. Make check or money order payable to: National Flood Ose or money order only. Make check or money order or make check or money order or money order or money order or money order or make check or money order or make check or money or money order or money order or money or m
Insurinfor 12. All documents also state Applicant's leading Add Add ENCL Check Insuring and information an	MENT OSED ck or money order only. Make check or money order payable to: National Flood brance Program. If paying by Visa or Mastercard please refer to the credit card mation form which follows this form. j. Additional information: Letter to Susan Colongne, Preliminary Grading and Drainage Plan (please specify) ments submitted in support of this request are correct to the best of my knowledge. I understand that any tement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001. Name: Community Sciences Corporation (please print or type) ress: P.O. Box 1328

FEDERAL EMERGENCY MANAGEMENT AGENCY ELEVATION INFORMATION

O.M.B. NO. 3067-0147 Expires July 31, 1997

FEMA USE ONLY

PUBLIC BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average .63 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 (3067-0147), Washington, DC 20503.

This form must be completed by a licensed land surveyor or registered professional engineer. These forms should not be used for requests involving Channelization, Bridges/Culverts, or Fill in the FEMA-Designated Floodway. Forms entitled Revisions to National Flood Insurance Program Maps (MT-2) should be used. The Elevtion Information Form must be included for all request, unless the request is for a determination in which the FIRM already shows the property to be CLEARLY outside the SFHA. Cases in which the determination for the property or structure is uncertain will require the submittal of elevation data to provide a definitive determination. If an elevation certificate has been completed for the subject property it maybe submitted in lieu of this form.

	of this form. (See page 7 d	of instructions for details)	
1. Community Name:	Albuquerque		
2. Legal Description of Prop	perty: <u>Lot 1,2, and 15 c</u>	of Los Poblanos Co	ourtyard
3. Flooding Source:	Zone AH ponding		
4. Based on the FIRM, this	property is located in Zone(s	A H. and X	
	perty located in the regulator ing or proposed) located in the	•	☐ Yes ☐ No ay? ☐ Yes ☐ No
6. Is this area subject to land releveling?	d subsidence or uplift?	☐ Yes ☐ No, I	f yes, what is the date of the current
3. How was the BFE determ other necessary supporting Insurance Program Maps	ng information including For	- Flood Profile or table	from the FIS report, if appropriate, or ns entitled, "Revisions to National Flood
. If a flood profile for the 5(00-year flood was provided in	the FIS Report, wha	at is the 500-year flood elevation for this
property? 11/4	Elevation	N/A	Datum
			elat(s) what is the evicting arms and
0. If this request is to remo	ove the SFHA designation from rade; that is, the lowest ground Elevation	a parcer or land or and or and or	(Provide elevation to nearest tenth of a

11. If this request is to remove the SFHA designation from	a structure(s), what is the elevation of the existing or
proposed lowest adjacent grade; that is, the lowest grou	nd touching the structure? (Provide elevation to
nearest tenth of a foot and datum)* Lot 1 = 497 3.8,	Lot $2 = 4973.7$
	Datum = MSLD 1929
12. If fill has been/will be placed to elevate the structure(s)	on this property, what is the existing or proposed
elevation of the lowest floor, including basement and/or tenth of a foot and datum)* Lot 1 = 4973.8, Lot 2 =	: 4973.7
Lot 15 = 4973.9 Datu	Dicyacionizatum
13. If any of the above elevations were computed based on a	
conversion factor? FIS Datum = Local Datum	
*For multiple lots/structures, complete the appropriate Individual Lot Breakdown form, identifying the elevation, and 11, please note a map (certified by a license may be required to relatethe ground elevations and indicate whether it reflects "as-built" or "proposed" co	ation for each lot/structure. To support items 9, d surveyor or registered professional engineer) locations of structures or lots. The man should
14. All information submitted in support of this request is c that any false statement may be punishable by fine or imprisonn	
Section 1001.	
Name: Kent M. Whitman, P.E.	
	print or type)
Title: Vice President	
(please p	print or type)
Registration No. 6170	Expiration Date
StateNew Mexico	W. WHITH MEXICO
Telephone Number: (505) 897-0000	6170 (B)
Lent M. With Signature	PROFESSIONAL EN
=7/2/97	
Date	Seal (Optional)

FEDERAL EMERGENCY MANAGEMENT AGENCY CERTIFICATION OF FILL PLACEMENT

O.M.B. Burden No. 3067-0147 Expires 31, July 1997 FEMA USE ONLY

PUBLIC BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average .35 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 (3067-0147), Washington, DC 20503.

Albuquerque	Lots 1, 2, and 15 Los Poblanos Courtyard		
Community Name	Property Name or Address		
The Fill is: X Existing Proposed			
relevation in order to gain exclusion from a Special Flood	e the ground surface to or above the base (100-year) flood Hazard Area (100-year floodplain) meets the criteria of Title 3), listed below. For <u>proposed</u> fill, I hereby certify that it is		
That the fill has been compacted to 95 per Proctor Test method or an acceptable equals and acceptable equals and acceptable equals are set of the fill has been compacted to 95 per	rcent of the maximum density obtainable with the Standard nivalent method for (check one of the following)		
X a. Fill pads prepared for the found	ations of residential or commercial structures		
b. Entire legally defined parcel (N fill over the entire legally define	ote: if the location of fill pads has not been determined, the departed must be compacted to the above criteria).		
Kent M. Whitman, P.E. Name (Please print or type) And M. Whitman Signature 7 2 7 7	RESIDENT PROFESSIONAL IN PROFE		
Date O ML - C 11 - L C	Community Official's Title or Engineer's Seal/Registration Number		

- 2. That fill slopes for granular materials are not steeper than one vertical on one-and-one-half horizontal (steeper slopes must be justified); and
- 3. That adequate erosion protection is provided for fill slopes exposed to moving flood waters (slopes exposed to flows with velocities of up to 5 feet per second (fps) during the 100-year flood must, at a minimum, be protected by a permanent cover of grass, vines, weeds, or similar vegetation; slopes exposed to flows with velocities greater that 5 fps during the 100-year flood must, at a minimum, be protected by appropriately designed stone, rock, concrete, or other durable products).

Kent M. Whitman, P.E.

Name (Please print or type)

Signature

Date

BEST PROFESSIONAL PROFESSIONAL

Community Official's Tille or Engineer's Seal/Registration Number

FEDERAL EMERGENCY MANAGEMENT AGENCY

COMMUNITY ACKNOWLEDGMENT OF REQUESTS INVOLVING FILL

O.M.B. Burden No. 3067-0147 Expires July 31, 1997 FEMA USE ONLY

PUBLIC BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average .88 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 (3067-0147), Washington, DC 20503.

Albu	querque	Lots 1, 2, and 15 Los Poblanos Courtyard
	Community Name	Property Name or Address
proposed princluding to being forward	roject meets or is designed to meet a he requirement that no fill be placed in arded to FEMA for a possible map revi	is Letter of Map Revision request and have found that the completed or ll of the community's applicable floodplain management regulations, in the adopted regulatory floodway. We understand that this request is ision. For proposed projects, we understand that FEMA is being asked his project on the flood hazards of our community.
Communit	y comments on the proposed project:	This Subdivision was designed and
	•	nd Drainage plans approved by City
11	2/22-	that all all later all in
		ttached letter lated May 15, 1995
from	City of Albuguerg	ve accepting the insineer's
	ification for this	
Communit	y Official's Name: Susan Colong	
		(please print or type)
Address:	COA Hydrology Division, 200	2nd St. NW
•	Albuquerque, NM 87102	
•		(please print or type)
Daytime T	elephone Number: (505) 924-3	982
-		
	Muse	R-6-97
	Community Official's Signs	ature Date
C	ity/County Floodplain Administr	ator
	Community Official's Titi	le

FEDERAL EMERGENCY MANAGEMENT AGENCY SUMMARY OF ELEVATIONS-INDIVIDUAL LOT BREAKDOWN

O.M.B. Burden No. 3067-0147 Expires July 31, 1997 FEMA USE ONLY

PUBLIC BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average .67 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 (3067-0147), Washington, DC 20503.

-								
All	Albuquerque Community Name				Lots 1, 2, and 15 Los Poblanos Courtyard Property Name or Address			
LOT NUMBER	BLOCK	LOWEST	LOWEST FLOOR ELEVATION? (INCLUDING BASEMENT)	LOWEST ADJACENT GRADE TO STRUCTURE3	100-YEAR FLOOD ELEVATION	500-YEAR FLOOD ELEVATION	FOR FEMA USE ONLY	
1	N/A	N/A	4973.8	4973.8	4971.0	N/A		
2	N/A	N/A	4973.7	4973.7	4971.0	N/A		
15	N/A	N/A	4973.9	4973.9	4971.0	· N/A		
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¹For requests that an entire parcel of land be removed from the SFHA; if the request involves an area described by metes and bounds, provide the lowest elevation within that area

For requests that a structure that has been elevated by fill be removed from the SFHA

For requests that a structure be removed from the SHFA.

