



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 25, 1994

John MacKenzie, P.E.
Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, NM 87199

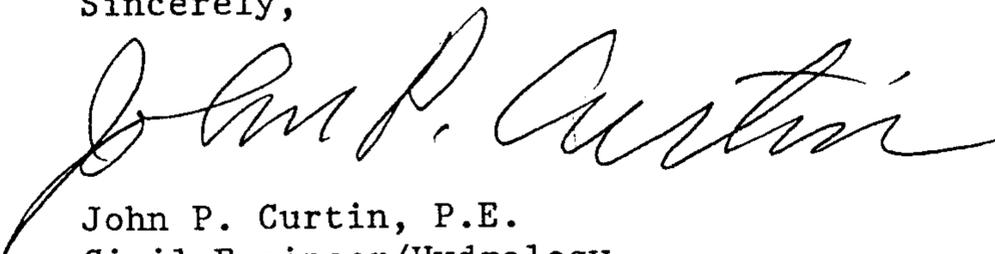
RE: ENGINEER'S CERTIFICATION FOR MAESTAS SUBDIVISION (F14-D18)
RECEIVED APRIL 22, 1994 FOR FINANCIAL GUARANTY RELEASE
ENGINEER'S STAMP DATED 4/22/94.

Dear Mr. MacKenzie:

Based on the information included in the submittal referenced above, City Hydrology releases the Financial Guaranty for this project. Due to the flat grading scheme incorporated in this design, City Hydrology waives the requirement for walls between the lots.

If I can be of further assistance, You may contact me at 768-2727.

Sincerely,

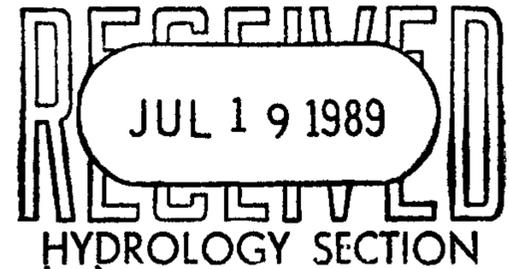


John P. Curtin, P.E.
Civil Engineer/Hydrology

c: Lynda-Michelle DeVanti

WPHYD/8241/jpc

**MAESTAS SUBDIVISION
DRAINAGE STUDY**



I. SOIL TYPE (SCS Soil Survey of Bernalillo County)

Gila series, stratified loam (Ge)
Hydrologic Soils Group B

II. TOTAL AREA

Total Tract Area	1.62 acres
Area of proposed streets, drives, walks	0.53 acres
*Area of proposed roofs	0.29 acres
Proposed lawns and landscaping	0.80 acres
Percent impervious area	51%

*Value is based upon a 2500 s.f. house

HYDROLOGY
(COA, DPM, Chapter 22)

III. TIME OF CONCENTRATION

Flow length	656 feet
Elevation difference	1.8 feet
Slope	0.3%
Time of concentration	11.0 minutes

$$T_c = \frac{0.0078 L^{0.77}}{0.385 S} = 10.77$$

IV. 6 - HOUR RAINFALL DEPTH

100-year storm	2.2 inches
10 year storm	1.45 inches

V. RUNOFF COEFFICIENTS

Present Conditions:

	Area	"C" Value	% of Total
Streets, drives, walks	0.40 Ac.	0.95	24.7
Roofs	0.08	0.90	4.9
Undeveloped	1.14	0.40	70.4
Composite "C" Value = 0.55			

Proposed Conditions:

	Area	"C" Value	% of Total
Streets, drives, walks	0.53 Ac.	0.95	32.7
Roofs	0.29	0.90	17.9
Lawns & Landscaping	0.80	0.25	49.4

Composite "C" Value = 0.59

VI. RAINFALL INTENSITIES

100 year storm	4.53 inches
10 year storm	2.99 inches

VII. RUNOFF RATES

Existing conditions	Q (100) = CIA = 4.04 cfs
	Q (10) = CIA = 2.66
Proposed conditions	Q (100) = CIA = 4.32 cfs
	Q (10) = CIA = 2.85

VIII. REQUIRED STORAGE AMOUNTS

Percent Impervious	51
Pervious CN	61
Composite CN	80
Direct Runoff	0.7 inches

On-site Total Volume Required

$$V = 0.7 \text{ in.} \times \frac{1 \text{ ft.}}{12 \text{ in.}} \times 1.62 \text{ Ac} \times \frac{43,560 \text{ ft.}^2}{1 \text{ Ac.}} = 4,116 \text{ c.f.}$$

Volume generated by public street runoff = 1000 c.f. (included above).

IX. POND SIZING

Since this is an isolated tract of land, from a drainage standpoint, and the terrain is very flat, it is recommended that on-site retention ponds be used within individual lot areas. These ponds are to be built at the time of lot development and are to be dimensioned as follows:

Lots 1 through 4 - Rear Ponds 80'x5.5'x1.5'x4 ea. =	2640 c.f.
Lot 5 - Side Pond 70' x 5' x 1.5' x 1 ea. =	525 c.f.
Lot 6 - Rear Pond 140' x 5.5' x 1.5' x 1 ea. =	<u>1155 c.f.</u>
TOTAL VOLUME PROVIDED	4320 c.f.

X. RECOMMENDED PAD ELEVATIONS

Using a volume of 4116 c.f., the area being 51% impervious, and not taking the ponding areas into account, the water would pond to a depth of 0.12 ft. or 1.43 inches within the permeable areas of the development.

Based on this, the 100-year flood elevation for this site is estimated to be at an elevation of 4974.5. It is therefore recommended that finish floor elevations be set at an elevation of 4975.5 or higher.

XI. GENERAL RECOMMENDATIONS AND SUMMARY;

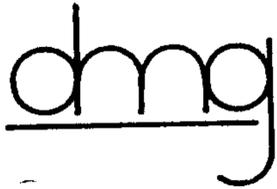
- A. Due to the extremely flat terrain and lack of existing drainage facilities, temporary on-site ponds to be located on individual lots are recommended.
- B. These ponding areas should be located a minimum of fifteen (15) feet away from building foundations and road surfaces.
- C. The foundations of the proposed buildings should be damp-proofed and otherwise protected from seepage and moisture due to the proximity of the ponding areas.
- D. The road surface should be elevated a minimum of six (6) inches above the surrounding terrain and sloped to insure water enters the proposed ponding areas.
- E. Finished floor elevations of the house pads should be set at an elevation of 4975.5 higher.



Raymond W. Macy

Raymond W. Macy, P.E.
7/18/89

Date

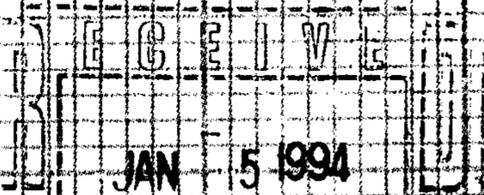


RUNOFF QUANTITIES FOR LOTS 1-4

Drainage areas 1-4 are presented on the Plan. From the original plan calculations, runoff quantities will be determined as a percentage of original total. Runoff quantities for lots 5 and 6 are presented separately. So, from the original plan, Area 1 will identify the same characteristics but without the area of lots 5 and 6 included in the totals.

From the bottom of each attached calculations sheet:

	Area 1	Area 2	Area 4	Lot 5	Lot 6
Runoff Volume Generated (cu. ft.)	2623	2159	802	812	1509

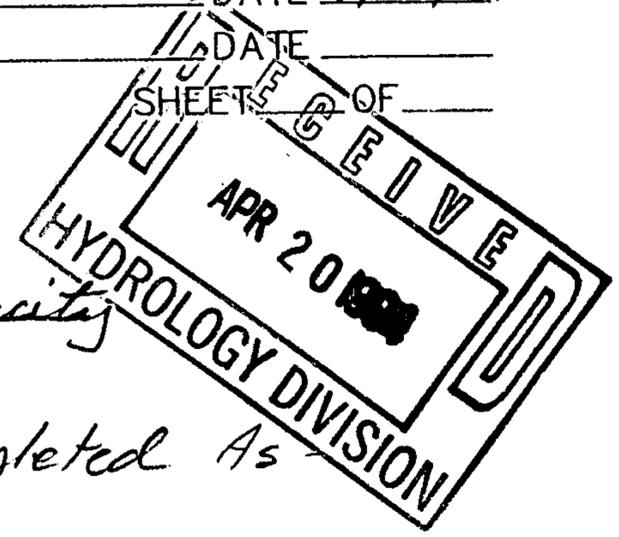


total = 7905 cu. ft.

HYDROLOGY DIVISION

Pervious areas for ponding will consist of lawns and landscaping within lots 1 through 4 and the bar ditch portions of Areas 2 and 4. All of Area 3 will drain to the south and not contribute. The total area for on-site ponding is 23239 ft².

The total volume generated, divided by this area will result in an on-site ponding depth of 4 inches.



As-Built Retention Pond Capacity

To supplement the previously completed As-Built survey, on-site field observations were conducted to further define surface conditions. Along the north property line, the existing surface was maintained along the boundary wall to protect the footing and then tapered sharply down within 10 feet of the wall to elevation 73.0.

Along section B, the average as-built elevation was 72.3 in the area between building pads. This area between pads totaled 3720 ft².

Along the south property line, the average elevation was 73.0. Excluding the building pads, the potential water surface area at elevation 73.0 is 19,480 ft².

Elevation	Area (ft ²)	Avg Area (ft ²)	Depth (ft)	Volume (ft ³)
73.00	19,480			
		11,600	0.7	8120
30	3720			

upon the previous submittal, runoff generated is 7,905 ft³

EASEMENT

This grant of Easement, between [state the name of the present real property owner exactly as shown on the real estate document conveying title to the present owner and state the legal status of the owner, for example, "single person," "husband and wife," "corporation of the State of X," "partnership":] Herman L. and Margaret S. Maestas, Husband and Wife ("Grantor"), whose address is 203 Sanchez Road, NW, Albuquerque, N.M.

and the City of Albuquerque, a New Mexico municipal corporation ("City"), whose address is P. O. Box 1293, Albuquerque, New Mexico 87103, is made in Albuquerque, Bernalillo County, New Mexico and is entered into as of the date Grantor signs this Easement.

1. Recital. Grantor is the owner of certain real property located at [give general description, for instance, subdivision, lot and block or street address:] Lots 1 through 6 Maestas Subdivision in Bernalillo County, New Mexico (the "Property").

2. Grant of Easement. The Grantor grants to the City a permanent easement with warranty covenants ("Easement") in, over, upon and across the Property for [state the kind of easement, for example, "public street and highway purposes (including all utilities)," "water line," "sewer line," etc.:] Surface drainage flows from the Los Poblanos Lane R.O.W. to the rear, or side, ponding areas within each lot.

The Easement is more particularly described in the attached Exhibit A. [State on the exhibit either the metes and bounds description of the Easement or state the exact dimensions and location in a manner which would enable a surveyor to locate the Easement on the ground.]

The grant of the Easement includes the right of the City to enter upon the Easement at any time for inspection, installation, maintenance, repair or modification and the right to remove trees, bushes, undergrowth and any other obstacles if the City determines they interfere with the appropriate use of the Easement. This grant includes the right of access to the easement across the Grantor's adjoining property.

Grantor agrees for itself and its successors in interest that it has been paid in valuable consideration and that the grant of this Easement is not a gift or donation.

This Easement is worded pursuant to the provisions of §§47-1-27 to 47-1-44, NMSA 1978 or successor statutes.

3. Warranty. Grantor covenants and warrants that it is the owner in fee simple of the Property and that it has a good

(Approved by Legal Dept.
as to form only-6/1/86)

lawful right to convey the Property or any part thereof, that the Property is free from all encumbrances except encumbrances of record and taxes due and owing the Treasurer of Bernalillo County, and that the Grantor will forever warrant and defend the title to the ^{Easement} ~~Property~~ against all claims from all persons or entities.

4. Binding on Grantor's Property. The grant and other provisions of this Easement constitute covenants running with the land for the benefit of the City and its successors and assigns.

5. Indemnification. As a part of the consideration for this grant, subject to the provisions of the New Mexico Tort Claims Act and all other applicable New Mexico laws, the City agrees to save Grantor harmless from any and all liability arising from the City's negligent use of the Easement for the purposes set forth herein. The City does not agree to save Grantor harmless from any liability which may arise from Grantor's use of the Easement and the Property.

6. Form Not Changed. Grantor agrees that changes to the wording of this form are not binding upon the City unless initialed by the Grantor and approved and signed by the City Legal Department in writing on this form.

CITY OF ALBUQUERQUE

Approved:

By: _____
 Title: _____
 Dated: _____

GRANTOR:

By: _____
 Its: Owners
 Dated: _____

STATE OF New Mexico)
) ss
 COUNTY OF Bernalillo)

The foregoing instrument was acknowledged before me this _____ day of _____, 198____, by [name of person signing:] Herman L. and Margaret S. Maestas [title or capacity, for instance, "President" or "Owner":] Owners of [name of the entity which owns the Property if other than the individual signing, for instance, the name of the corporation, partnership, or joint venture:] _____

 Notary Public

My Commission Expires:

(Approved by Legal Dept.
 as to form only-6/1/86)

DRAINAGE COVENANT

This Drainage Covenant, between [state the name of the present real property owner exactly as shown on the real estate document conveying title to the present owner and state the legal status of the owner, for example, "single person," "husband and wife," "corporation of the State of X," "partnership":] Herman L. and Margaret S. Maestas, Husband and wife ("Owner"), whose address is 203 Sanchez Road NW Albuquerque, New Mexico, and the City of Albuquerque, a New Mexico municipal corporation ("City"), whose address is P. O. Box 1293, Albuquerque, New Mexico 87103, is made in Albuquerque, Bernalillo County, New Mexico and is entered into as of the date Owner signs this Easement.

1. Recital. Owner is the owner of certain real property located at [give general description, for instance, subdivision, lot and block or street address:] Lots 1 through 6 Maestas Subdivision in Bernalillo County, New Mexico (the "Property").

Pursuant to City ordinances, regulations and other applicable laws, the Owner is required to construct and maintain certain drainage facilities on the Property, and the parties wish to enter into this agreement to establish the obligations and responsibilities of the parties.

2. Description and Construction of Drainage Facilities. Owner shall construct the following "Drainage Facility" within the Property at Owner's sole expense in accordance with the standards, plans and specifications approved by the City: Rear and side yard detention ponds on Lots 1 through 6 Maestas Subdivision.

The Drainage Facility is more particularly described in the attached Exhibit A. The Owner will not permit the Drainage Facility to constitute a hazard to the health or safety of the general public.

3. Maintenance of Drainage Facility. The Owner will maintain the Drainage Facility at Owner's cost in accordance with the approved Drainage Report and plans.

4. City's Right of Entry. The City has the right to enter upon the Property at any time and perform whatever inspection of the Drainage Facility it deems appropriate, without liability to the Owner.

5. Demand for Construction or Repair. The City may send written notice ("Notice") to the Owner requiring the Owner to construct or repair the Drainage Facility within _____ days ("Deadline") of receipt of the Notice, as provided in Section 12, and the Owner will comply promptly with the requirements of

the Notice. The Owner will perform all required work by the Deadline, at Owner's sole expense.

6. Failure to Perform by Owner and Emergency Work by City. If the Owner fails to comply with the terms of the Notice by the Deadline, or if the City determines that an emergency condition exists, the City may perform the work itself. The City then may assess the Owner for the cost of the work and for any other expenses or damages which result from Owner's failure to perform. The Owner agrees promptly to pay the City the amount assessed. If the Owner fails to pay the City within thirty (30) days after the City gives the Owner written notice of the amount due, the City may impose a lien against Owner's Property for the total resulting amount.

7. Liability of City for Repair after Notice or as a Result of Emergency. The City shall not be liable to the Owner for any damages resulting from the City's repair or maintenance following notice to the Owner as required in this agreement or in an emergency unless the damages are the result of the reckless conduct or gross negligence of the City.

8. Indemnification. As a part of the consideration for this grant, subject to the provisions of the New Mexico Tort Claims Act and all other applicable New Mexico laws, the City agrees to save Owner harmless from any and all liability arising from the City's negligent use of the Drainage Facility. The City does not agree to save Owner harmless from any liability which may arise from Owner's use of the Drainage Facility and the Property.

9. Cancellation of Agreement and Release of Covenant. This agreement may be cancelled and Owner's covenants released by the City following by the City's mailing to the Owner notice of the City's intention to record a Cancellation and Release with the Bernalillo County Clerk. The Cancellation and Release will be effective thirty (30) days after the date of mailing the notice to the User unless a later date is stated in the notice or in the Cancellation and Release. After the effective date, the City will record the Cancellation and Release with the Bernalillo County Clerk.

10. Assessment. Nothing in this agreement shall be construed to relieve the Owner, his heirs, assigns and successors from an assessment against Owner's Property for improvements to the Property under a duly authorized and approved Special Assessment District. The parties specifically agree that the value of the (Drainage Facility) will not reduce the amount assessed by the City.

11. Notice. For purposes of giving formal written notice to the Owner, Owner's address is:

203 Sanchez Road, NW
Albuquerque, New Mexico 87107

Notice may be given to the Owner either in person or by mailing the notice by regular U.S. mail, postage paid. Notice will be considered to have been received by the Owner within 6 days after the notice is mailed if there is no actual evidence of receipt. The Owner may change Owner's address by giving written notice of the change by certified mail, return receipt requested, to the City Public Works Department, P.O. Box 1293, Albuquerque, New Mexico 87103.

12. Term. This agreement shall continue until terminated by the City pursuant to Section 7 above.

13. Binding on Owner's Property. The covenants and obligations of the Owner set forth herein shall be binding on Owner, his heirs, assigns and successors and on Owner's Property and constitute covenants running the Owner's Property until released by the City.

14. Entire Agreement. This agreement contains the entire agreement of the parties and supersedes any and all other agreements or understandings, oral or written, whether previous to the execution hereof or contemporaneous herewith.

15. Changes to Agreement. Changes to this agreement are not binding unless made in writing, signed by both parties.

16. Construction and Severability. If any part of this agreement is held to be invalid or unenforceable, the remainder of the agreement will remain valid and enforceable if the remainder is reasonably capable of completion.

17. Captions. The captions to the sections or paragraphs of this agreement are not part of this agreement and will not affect the meaning or construction of any of its provisions.

18. Form Not Changed. Owner agrees that changes to the wording of this form are not binding upon the City unless initialed by the Owner and approved and signed by the City Legal Department in writing on this form.

OWNER:

By: _____
Its: Owners
Dated: _____

STATE OF New Mexico)
) 88
COUNTY OF Bernalillo)

The foregoing instrument was acknowledged before me this
_____ day of _____, 198____, by [name of person signing:]
Herman L. and Margaret S. Maestas, [title or capacity, for instance,
"President" or "Owner":] Owners of [name of
the entity which owns the Property if other than the individual
signing, for instance, the name of the corporation, partnership,
or joint venture:] _____.

Notary Public

My Commission Expires:

CITY OF ALBUQUERQUE:

Approved:

By: _____
Title: _____
Dated: _____

(EXHIBIT A ATTACHED)

(Approved by Legal Dept.)

8394626

PRIVATE FACILITY
DRAINAGE COVENANT

442

This Drainage Covenant, between [state the name of the present real property owner exactly as shown on the real estate document conveying title to the present owner and state the legal status of the owner, for example, "single person," "husband and wife," "corporation of the State of NM, "Partnership":] Herman L. and Margaret S. Maestas, husband and wife, owners of lots one, two, three, four, and six of Maestas Subdivision and by Kenneth L. and Patricia J. Maestas, husband and wife, owners of lot five of Maestas Subdivision. ("Owner") whose addresses are 203 Sanchez Road, N.W. and 721 Los Poblanos Lane, N.W., Albuquerque, New Mexico 87107, and the City of Albuquerque, a New Mexico municipal corporation ("City"), whose address is P. O. Box 1293, Albuquerque, New Mexico 87103, is made in Albuquerque, Bernalillo County, New Mexico and is entered into as of the date Owner signs this Covenant.

1. Recital. The Owners are the owners of the following described real property located at [give legal description, and street address:] Lots 1 through 6 Maestas Subdivision located on Los Poblanos Lane, N.W. in Bernalillo County, New Mexico (the "Property").

Pursuant to City ordinances, regulations and other applicable laws, the Owner is required to construct and maintain certain drainage facilities on the Property, and the parties wish to enter into this Covenant to establish the obligations and responsibilities of the parties.

2. Description and Construction of Drainage Facility. The Owner shall construct the following "Drainage Facility" within the Property at the Owner's sole expense in accordance with the standards, plans and specifications approved by the City:

Lot grading and subdivision perimeter block wall and block walls between lots. The Drainage Facility is more particularly described in Exhibit A attached hereto and made a part hereof.

3. Maintenance of Drainage Facility. The Owners shall maintain the Drainage Facility at the Owners' sole cost in accordance with the approved Drainage Report and plans. The Owners shall not fill or regrade their lots in a manner which would violate the conditions of the approved Drainage Report and plans. The block walls around the perimeter and between lots shall be maintained so that drainage flows cannot migrate from one lot to another.

STATE OF NEW MEXICO
COUNTY OF BERNALILLO
FILED FOR RECORD

-1-

89 OCT 31 PM 4:01

AS 125805A 442-447

LEGAL DEPT. OF REVENUE
Sandra

APPROVED AS TO FORM
LEGAL DEPT. 8/19/88

4. Benefit to Property. The Owner acknowledges and understands that the Drainage Facility required herein to be constructed on the Owner's property is for the private benefit and protection of the Owner's property and that failure to maintain such facility could result in damage or loss to the Property.

5. Inspection of Drainage Facility. The City shall have no duty or obligation whatsoever to perform any inspection, maintenance or repair of the Drainage Facility, it being the duty of the Owner, its heirs, successors and assigns to construct and maintain the facility in accordance with approved plans and specifications.

6. Liability of City. The Owner understands and agrees that the City shall not be liable to the Owner, its heirs, successors or assigns, or to any third parties for any damages resulting from the Owner's failure to construct, maintain or repair the Drainage Facility.

7. Indemnification. The Owner owns and controls the Drainage Facility and shall not permit the Drainage Facility to constitute a hazard to the health or safety of the general public. The Owner agrees to indemnify, defend and hold harmless the City, its officials, agents and employees, from any claims, actions, suits or other proceedings arising from or out of the negligent acts or omissions of the Owner, its agents, representatives, contractors or subcontractors or arising from the failure of the Owner, its agents, representatives, contractors or subcontractors to perform any act or duty required of the Owner herein; provided, however, to the extent, if at all, Section 56-7-1 NMSA 1978 is applicable to this Agreement, this Agreement to indemnify will not extend to liability, claims, damages, losses or expenses, including attorney's fees, arising out of (1) the preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs or specifications by the respective indemnitee, or the agents or employees of the respective indemnitee; or (2) the giving of or the failure to give direction or instructions by the respective indemnitee, where such giving or failure to give directions or instructions is the primary cause of bodily injury to persons or damage to property.

8. Assessment. Nothing in this Covenant shall be construed to relieve the Owner, its heirs, assigns and successors from an assessment against the Owner's Property for improvements to the Property under a duly authorized and approved Special Assessment District. The parties specifically agree that the value of the Drainage Facility will not reduce the amount assessed by the City.

9. Binding on Owner's Property. The covenants and obligations of the Owner set forth herein shall be binding on the Owner, its heirs, assigns and successors and on the Owner's Property and constitute covenants running with the Owner's Property until released by the City. This Covenant can only be released by the City's Chief Administrative Officer with the concurrence of the City Engineer.

10. Entire Covenant. This Covenant contains the entire agreement of the parties and supersedes any and all other agreements or understandings, oral or written, whether previous to the execution hereof or contemporaneous herewith.

11. Changes to Covenant. Changes to this Covenant are not binding unless made in writing, signed by both parties.

12. Effective Date to Covenant. This Covenant shall be effective as of the date of signature of the Owner.

13. Certification. Prior to building occupancy the owner or owners shall provide a professional engineer's certification indicating that finished floor elevations and the drainage facilities previously described were built in accordance with standards, plans, and specifications prescribed and approved by the City. Failure to submit the above will prevent the owner or owners from obtaining an occupancy permit.

OWNERS OF LOTS 1, 2, 3, 4 & 6
By Herman S. Maestas
Margaret S. Maestas
Its Individual/Owners
Dated: October 30, 1989

OWNERS OF LOT 5
By Kenneth L. Maestas
Patricia J. Maestas
Its Individual/Owners
Dated: October 30, 1989

STATE OF NEW MEXICO)
) SS
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 10th day of October, 1989, by [name of person signing:] Herman L. Maestas, Margaret S. Maestas, Kenneth L. Maestas, and Patricia J. Maestas, [title or capacity, for instance, "President" or "Owner":] Owners of [name of the entity which owns the Property if other than the individual signing, for instance, the name of the corporation, partnership, or joint venture:] _____.

445

Notary Public

My Commission Expires:

CITY OF ALBUQUERQUE

Accepted

By *Russell B. Smith*

Title *City Engineer*

Dated: *10-31-89*

[EXHIBIT A ATTACHED]

Subscribed and Sworn to by *Kenneth L. Maestas and Margaret S. Maestas and*
Kenneth L. Maestas & Patricia before me this *30th* day
of *October*, 19*89*

Louisa M. Condit
Notary in and for Bernalillo County, N.M.

My Commission Expires _____ My Commission Expires Aug. 17, 1992

EXHIBIT A

(PROPOSED MAESTAS SUBDIVISION)

TOPOGRAPHY SURVEY MAP
OF
TRACTS 39a2 AND 39f4
M.R.G.C.D. MAP NO. 32
BERNALILLO COUNTY, NEW MEXICO
MARCH 1988

Station	Grade	Notes
1+00	4976.00	EXISTING GRADE
1+25	4976.00	EXISTING GRADE
1+50	4976.00	EXISTING GRADE
1+75	4976.00	EXISTING GRADE
2+00	4976.00	EXISTING GRADE
2+25	4976.00	EXISTING GRADE
2+50	4976.00	EXISTING GRADE
2+75	4976.00	EXISTING GRADE
3+00	4976.00	EXISTING GRADE
3+25	4976.00	EXISTING GRADE
3+50	4976.00	EXISTING GRADE
3+75	4976.00	EXISTING GRADE
4+00	4976.00	EXISTING GRADE
4+25	4976.00	EXISTING GRADE
4+50	4976.00	EXISTING GRADE
4+75	4976.00	EXISTING GRADE
5+00	4976.00	EXISTING GRADE
5+25	4976.00	EXISTING GRADE
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5+75	4976.00	EXISTING GRADE
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7+00	4976.00	EXISTING GRADE
7+25	4976.00	EXISTING GRADE
7+50	4976.00	EXISTING GRADE
7+75	4976.00	EXISTING GRADE
8+00	4976.00	EXISTING GRADE
8+25	4976.00	EXISTING GRADE
8+50	4976.00	EXISTING GRADE
8+75	4976.00	EXISTING GRADE
9+00	4976.00	EXISTING GRADE
9+25	4976.00	EXISTING GRADE
9+50	4976.00	EXISTING GRADE
9+75	4976.00	EXISTING GRADE
10+00	4976.00	EXISTING GRADE

1. The boundaries of the proposed subdivision shall be determined by the survey of the property shown on the plat.

2. The proposed subdivision shall be subject to the approval of the Bernalillo County Board of Commissioners.

3. The proposed subdivision shall be subject to the approval of the Bernalillo County Board of Commissioners.

4. The proposed subdivision shall be subject to the approval of the Bernalillo County Board of Commissioners.

5. The proposed subdivision shall be subject to the approval of the Bernalillo County Board of Commissioners.

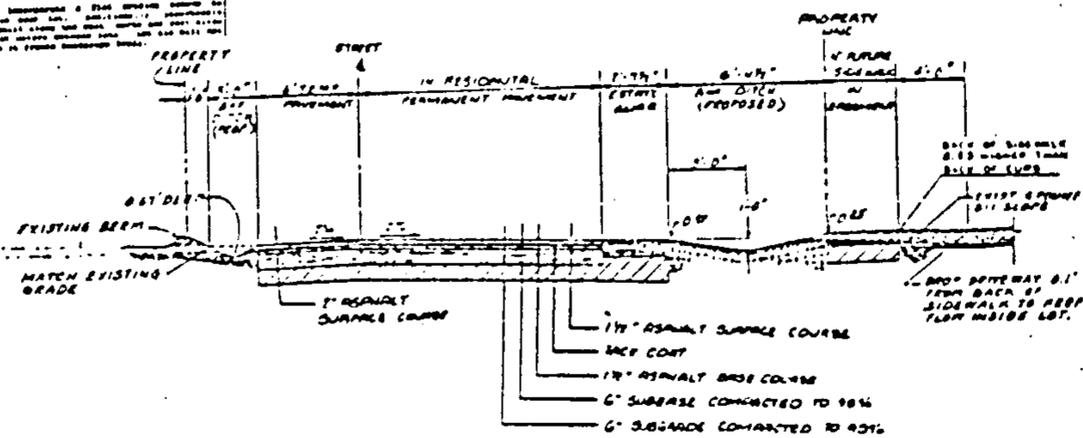
6. The proposed subdivision shall be subject to the approval of the Bernalillo County Board of Commissioners.

7. The proposed subdivision shall be subject to the approval of the Bernalillo County Board of Commissioners.

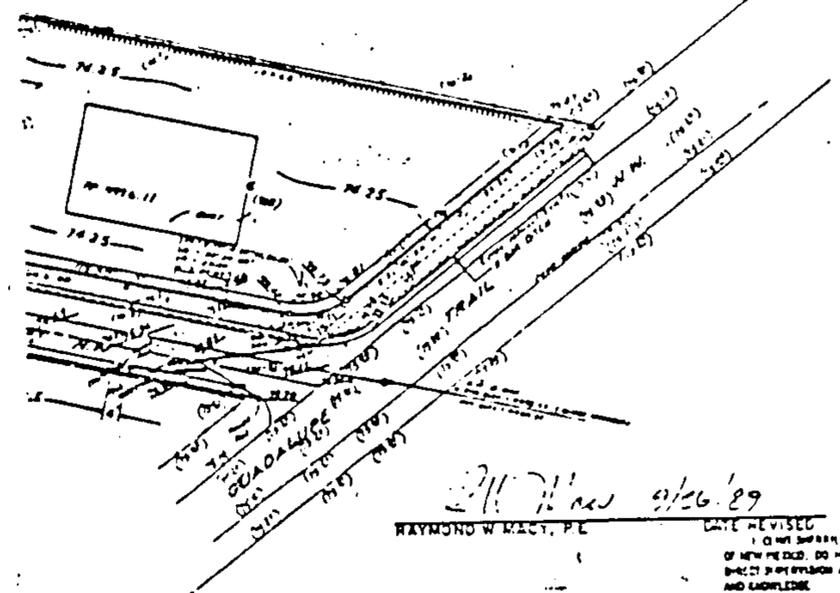
8. The proposed subdivision shall be subject to the approval of the Bernalillo County Board of Commissioners.

9. The proposed subdivision shall be subject to the approval of the Bernalillo County Board of Commissioners.

10. The proposed subdivision shall be subject to the approval of the Bernalillo County Board of Commissioners.



TYPICAL STREET SECTION
N.T.S.

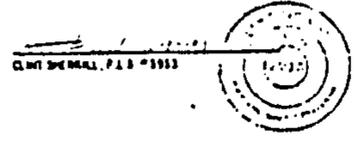


GRADING AND DRAINAGE PLAN PREPARED BY:
GARDNER WATSON & ASSOCIATES, INC.
ENGINEERS & PLANNERS
ALBUQUERQUE, NM

RAYMOND W. MACY, P.E. DATE 7/18/89
RAYMOND W. MACY, P.E. DATE REVISD 8/9/89
RAYMOND W. MACY, P.E. DATE REVISD 9/22/90



I, CLINT SHANNON, a duly registered land surveyor under the laws of the State of New Mexico, do hereby certify that this plan was prepared by me or under my direct supervision and that this plan is correct and true to the best of my belief and knowledge.



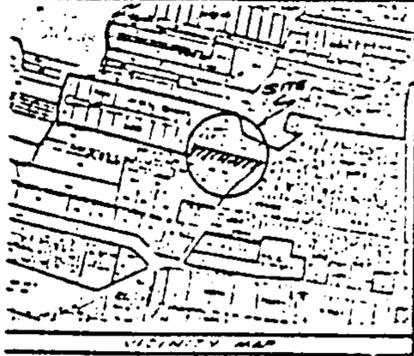
NOTE: ELEVATIONS SHOWN ON THIS PLAN ARE APPROXIMATE TO PROVISIONAL CITY OF ALBUQUERQUE CITY ENGINEER'S OFFICE RECORDING MAP NO. 32, PLAT 39a2 AND 39f4, EXCEPT AS NOTED OTHERWISE ON THIS PLAN.

- NOTES
1. TYP 11, SET ON THE S.E. CORNER OF THE METAL (WATER METERS) PLATING, SOUTH OF LOT 1, ELEVATION = 4976.03.
 2. TYP 12, SET ON THE SOUTHERLY BOWNEY BOLT OF THE FIRE HYDRANT, LOCATED SOUTH OF LOT 1, ELEVATION = 4976.03.
 3. RAASIDE PONDING SHALL NOT BE CONNECTED WITH CONCRETS BENEATH THE HYDRANTS.
 4. RETURNED BLACK WALL SHALL BE GRANT FILLED ALL CELLS.

MAESTAS

CLINT SHANNON AND ASSOCIATES

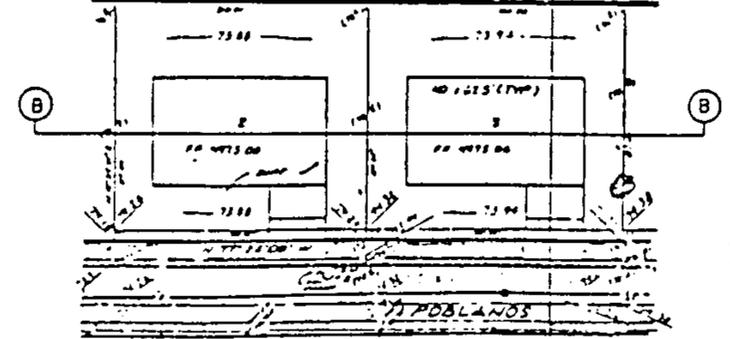
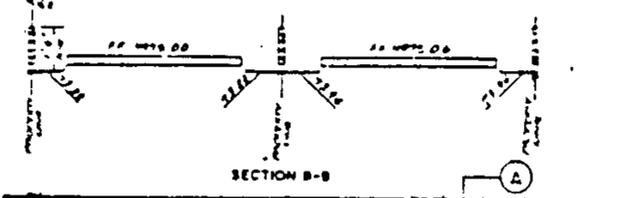
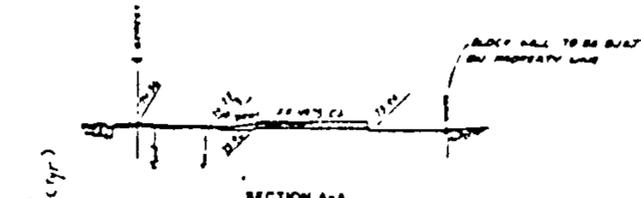
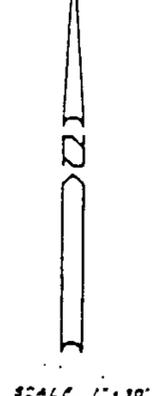
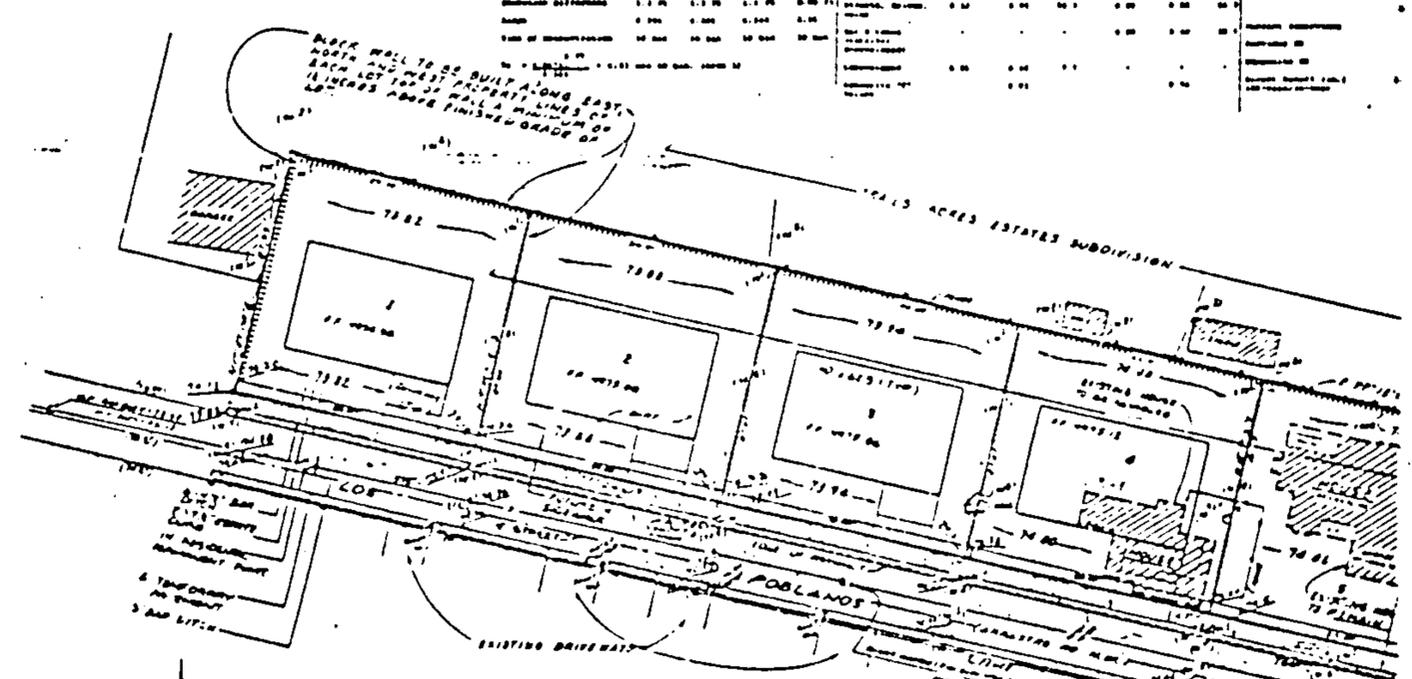
TRACTS 39a2 AND 39f4
M.R.G.C.D. MAP NO. 32



PROPOSED DEVELOPMENT
ESTIMATE OF COSTS
AND OTHER DATA

ESTIMATE OF COSTS			OTHER DATA		
NO.	DESCRIPTION	AMOUNT	NO.	DESCRIPTION	AMOUNT
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
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13	13
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100	100

447



- 1. 2" MIN. RAINFALL (10-3)
- 2. 1" MIN. RAINFALL (10-3)
- 3. 1/2" MIN. RAINFALL (10-3)
- 4. 1/4" MIN. RAINFALL (10-3)
- 5. 1/8" MIN. RAINFALL (10-3)
- 6. 1/16" MIN. RAINFALL (10-3)
- 7. 1/32" MIN. RAINFALL (10-3)
- 8. 1/64" MIN. RAINFALL (10-3)
- 9. 1/128" MIN. RAINFALL (10-3)
- 10. 1/256" MIN. RAINFALL (10-3)
- 11. 1/512" MIN. RAINFALL (10-3)
- 12. 1/1024" MIN. RAINFALL (10-3)
- 13. 1/2048" MIN. RAINFALL (10-3)
- 14. 1/4096" MIN. RAINFALL (10-3)
- 15. 1/8192" MIN. RAINFALL (10-3)

