



# **City of Albuquerque**

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 10, 1999

Ms. Diane Hoelzer, P.E.  
Mark Goodwin & Associates  
P.O. Box 90606  
Albuquerque, NM 87199

Re: Los Prados del Norte - Unit 1, File No. D16/D8, engineer's stamp  
dated April 7, 1999.

Dear Ms. Hoelzer:

The revised drainage report and plan dated April 7, 1999 is approved for preliminary plat and rough grading. This approval is with the understanding that Storm Drain Maintenance will maintain the 6' wide public channel. The Homeowner's Association will maintain the walkway and the adjoining landscaping area.

It is not clear from your letter dated April 7, 1999 what is considered the spillway that is to be maintained by the Homeowner's Association. Please provide a cross-section clearly indicating the 6' public channel, water line, private access, spillway and landscaping proposed within the 25' easement. Keep in mind that the 6' channel must be in an exclusive drainage easement, no private access will be permitted within this easement. Storm Drain Maintenance signature will be required for DRC approval.

Regarding the proposed storm drains to be upsized off-site, it is understood that you will coordinate these changes with Parsons-Brinkerhoff. Prior to DRC approval the revised plan and profile sheets for the off-site storm drain must be submitted to this office to verify that the HGL is below the street grade. The required certification to release the SIA and financial guarantees will require documentation that these changes took place.

Sincerely,

Fred J. Aguirre, P.E.  
City Hydrologist  
Public Works Department

c: Glenn Jurgensen  
file

## DRAINAGE INFORMATION SHEET

PROJECT TITLE: Los Prados Del Norte Subdivision ZONE ATLAS/DRNG, FILE#: D-16/D-8

DRB #: 98-241 EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: Tract I, Vista Del Norte Unit 1

CITY ADDRESS: North of Osuna Road between AMAFCA North Diversion Channel and Edith Blvd.

ENGINEERING FIRM: Mark Goodwin & Associates, PA CONTACT: Diane Hoelzer, PE

ADDRESS: PO Box 90606 ABQ NM 87199 PHONE: 828-2200

OWNER: Sundt Corporation CONTACT: \_\_\_\_\_

ADDRESS: PO Box 3671 Albuquerque NM 87190 PHONE: 883-1674

ARCHITECT: \_\_\_\_\_ CONTACT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

SURVEYOR: ALS, Inc. CONTACT: Tim Aldrich

ADDRESS: PO Box 30701 ABQ NM 87190 PHONE: 884-1990

CONTRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

### TYPE OF SUBMITTAL:

### CHECK TYPE OF APPROVAL SOUGHT:

- ☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☒ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION  
☒ OTHER (supplemental information)

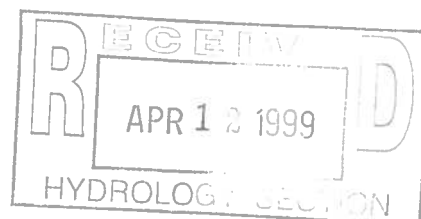
- ☐ SKETCH PLAT APPROVAL  
☒ PRELIMINARY PLAT APPROVAL  
☐ S. DEV. PLAN FOR SUB'D APPROVAL  
☐ S. DEV. PLAN FOR BLDG PERMIT APPROVAL  
☐ SECTOR PLAN APPROVAL  
☐ FINAL PLAT APPROVAL  
☐ FOUNDATION PERMIT APPROVAL  
☐ BUILDING PERMIT APPROVAL  
☐ CERTIFICATION OF OCCUPANCY APPROVAL  
☒ GRADING PERMIT APPROVAL  
☐ PAVING PERMIT APPROVAL  
☐ S.A.D. DRAINAGE REPORT  
☐ DRAINAGE REQUIREMENTS  
☐ OTHER \_\_\_\_\_ (Specify)

### PRE-DESIGN MEETING:

- ☐ YES  
☒ NO  
☐ COPY PROVIDED

DATE SUBMITTED: APRIL 12, 1999

BY: *Diane Hoelzer*  
Diane Hoelzer, PE





D. Mark Goodwin & Associates, P.A.  
Consulting Engineers

P.O. BOX 90606, ALBUQUERQUE, NM 87199  
(505) 828-2200 FAX 797-9539  
e-mail: dmgs@swcp.com

April 7, 1999

Ms. Susan Calongne  
City of Albuquerque  
One Stop - Hydrology Div.  
P.O. Box 1293  
Albuquerque, NM 87199

**Re: Los Prados Del Norte Grading and Drainage Plan (D-16/D8), Engineer's stamp 4-7-99  
Preliminary Plat and Rough Grading Permit Approval**

Dear Ms. Calongne:

I am submitting a revised Grading and Drainage Plan, infrastructure list and supplemental drainage information for the above referenced project. In response to your comment letter dated March 29, 1999:

1. Accompanying this letter is documentation from Parsons-Brinkerhoff for the revised hydrologic analysis of the Vista Del Norte storm drain for the section of storm drain accepting the flows from our site.
2. I have coordinated with Parsons-Brinkerhoff with regard to the storm drain outfall connection from our site at the southwest knuckle to the storm drain system in Vista Monte Drive. The offsite improvements adjacent to this site, including the storm drain has gone to work order but the storm drain system is not completed at the time of this latest submittal.
3. With regard to the use of a 6' wide spillway channel, Fred Aguirre assured me that if I could get Glenn Jurgenson to approve of the 6' wide channel / walkway he would allow it. I have spoken to Glenn and accompanying this letter is documentation on his agreement to allow a 6' wide spillway channel / walkway in Tract A. OK
4. Inlets have been identified on the revised grading and drainage plan and in the supplemental information. GK
5. I understand that Parsons-Brinkerhoff has made a submittal to the State Engineers Office. GK

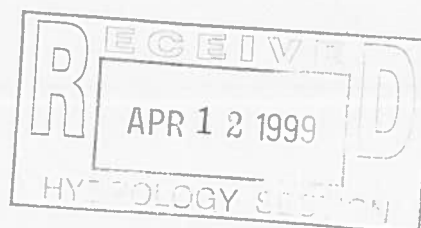
If you have any questions, please call me.

Sincerely,

MARK GOODWIN AND ASSOCIATES, P.A.

Diane Hoelzer, P.E.

DLH:dlh  
f:\prados\drainage ltr

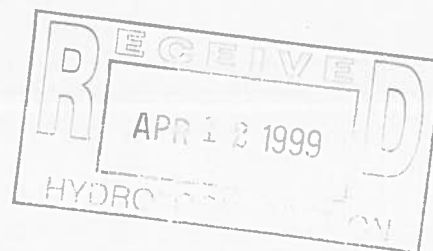


**DRAINAGE REPORT**  
**FOR**  
**LOS PRADOS DEL NORTE**  
**SUBDIVISION**  
**VISTA DEL NORTE MASTER PLAN COMMUNITY**



REV. 4-7-99  
3-5-99

**MARCH 1999**

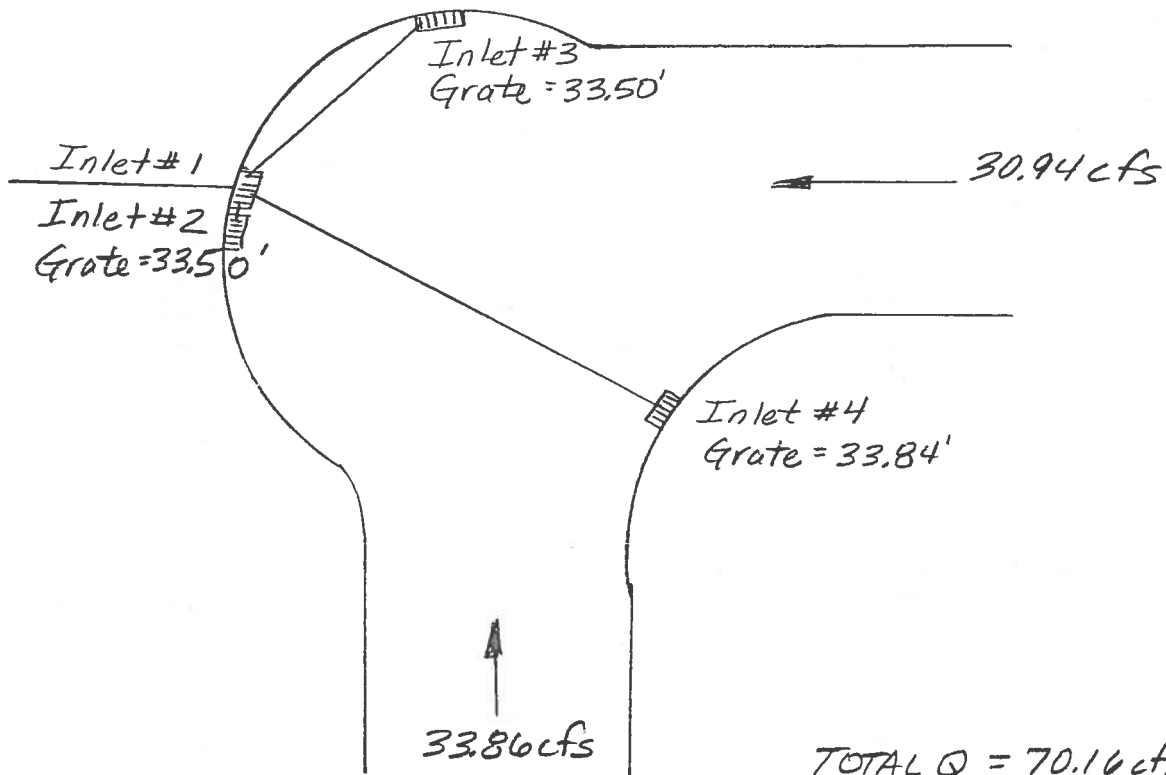




D. Mark Goodwin & Associates, P.A.  
Consulting Engineers

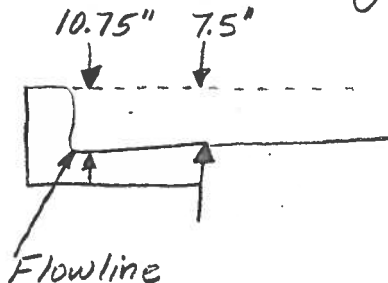
P.O. BOX 90606, ALBUQUERQUE, NM 87199  
(505) 828-2200 FAX 797-9539  
e-mail: dmgs@swcp.com

PROJECT Los Prados Del Norte  
SUBJECT Sump Inlet Calcs  
BY DLH DATE 3-5-99  
CHECKED \_\_\_\_\_ DATE 4-7-99 RE  
SHEET 1 OF 2



TOTAL Q = 70.16 cfs  
Assume Q per Inlet = 23.4 cfs  
Approx. depth = 0.50'

Capacity is measured by the weir equation at the lip of the gutter assuming an allowable ponding elevation equal to the lowest adjacent right-of-way elevation



Avg Depth (side) = 0.76'  
Avg Depth (Front) = 0.625'

**Parsons  
Brinckerhoff**5801 Osuna Road NE  
Suite 200  
Albuquerque, NM 87109  
505-881-5357  
Fax: 505-881-7602

April 7, 1999

Fred Aguirre, Drainage Review  
Development Review Board  
City of Albuquerque, Planning Department  
Plaza Del Sol Building, 2<sup>nd</sup> Floor  
Albuquerque, NM

Re: Vista Del Norte DRB 98-78

Mr. Aguirre,

At the request of Diane Hoelzer I am writing you to let you know we have coordinated in regards to the storm drain outfall for Tract I, Vista Del Norte Subdivision. I have provided her with a revised hydraulic grade line worksheet showing the re-routing of the entire flow from Tract I to a single outfall on Vista Monte Drive. The stub was included in you planset and is currently under construction. The analysis shows that the flows can be accommodated in the downstream system. The storm drain system that the flows were removed from will not have any changes in pipe size from the original design.

If you have any questions regarding this submittal please contact me at 881-5357.  
Thank you for your time.

Sincerely,

Elias E. Archuleta, E.I.

Cc: File  
Diane Hoelzer, P.E., D. Mark Goodwin & Assoc.  
Jerry Sundt, Sundt Corp.  
Ron Brown, Brown and Assoc.

$n = 0.013$ 

| 1                  | 2        | 3     | 4   | 5     | 6     | 7      | 8      | 9   | 10 | 11    | 12            | 13     | 14   | 15             | 16             | 17             | 18  | 19    | 20      | 21   | 22           | 23      | 24                |
|--------------------|----------|-------|-----|-------|-------|--------|--------|-----|----|-------|---------------|--------|------|----------------|----------------|----------------|-----|-------|---------|------|--------------|---------|-------------------|
| STATION            | STRUCT   | POND  | D   | Q     | A     | V      | K      | Sf  | L  | DELTA | JUNCTION<br>D | LOSSES |      |                |                |                | SUM | E.G   | hw      | H.G  | GROUND ELEV. | COMMENT |                   |
|                    |          |       |     |       |       |        |        |     |    |       |               | hf     | Nb   | h <sub>v</sub> | h <sub>m</sub> | h <sub>t</sub> |     |       |         |      |              |         | h <sub>fric</sub> |
|                    | OUTFALL  | 48.00 | 243 | 12.57 | 19.34 | 1437.2 | 0.0286 | 30C |    |       |               | 8.59   |      | 0.00           |                |                |     | 0.00  | 5026.81 | 581  | 5021.00      | 5040.00 |                   |
|                    | MH       | 48.00 | 243 | 12.57 | 19.34 | 1437.2 | 0.0286 | 30C |    |       |               | 8.59   | 0.00 | 0.00           | 0.29           | 0.00           |     | 8.58  | 5035.34 | 581  | 5020.58      | 5047.00 |                   |
|                    | MH/B/J   | 42.00 | 159 | 9.62  | 16.53 | 1006.6 | 0.0250 | 40C | 90 |       |               | 9.98   | 0.45 | 0.00           | 0.21           | -0.31          |     | 9.75  | 5044.25 | 581  | 5038.44      | 5053.00 |                   |
|                    | MH/B/J   | 30.00 | 46  | 4.91  | 9.37  | 410.33 | 0.0128 | 55C |    |       |               | 6.91   | 0.00 | 0.00           | 0.07           | -0.58          |     | 6.91  | 5054.98 | 424  | 5050.74      | 5054.00 |                   |
|                    | MH       | 30.00 | 46  | 4.91  | 9.37  | 410.33 | 0.0128 | 55C |    |       |               | 6.91   | 0.00 | 0.00           | 0.07           | 0.00           |     | 6.91  | 5061.45 | 136  | 5060.02      | 5061.00 |                   |
|                    | MH/J     | 30.00 | 46  | 4.91  | 9.37  | 410.33 | 0.0128 | 55C |    |       |               | 6.91   | 0.00 | 0.00           | 0.00           | 0.00           |     | 6.91  | 5061.36 | 136  | 5060.02      | 5061.00 |                   |
|                    |          | 30.00 | 0   | 4.91  | 0.00  | 410.33 | 0.0000 | C   |    |       |               | 0.00   | 0.00 | 0.00           | 0.00           | 0.00           |     | 0.00  | 5061.36 | 0.00 | 5060.38      | 5060.00 |                   |
|                    |          |       |     |       |       |        |        |     |    |       |               |        |      |                |                |                |     |       |         |      |              |         |                   |
| MIDDLE             | POND     |       |     |       |       |        |        |     |    |       |               |        |      |                |                |                |     |       |         |      |              |         |                   |
|                    | OUTFALL  | 60.00 | 248 | 19.84 | 12.53 | 2896   | 0.0089 | 27S |    |       |               | 2.45   |      | 0.00           | 0.12           | 0.49           |     | 0.00  | 5021.94 | 244  | 5026.50      | 5032.00 |                   |
|                    | MH/J     | 60.00 | 245 | 19.84 | 12.53 | 2896   | 0.0089 | 22S | 90 |       |               | 2.00   | 0.49 | 0.00           | 0.12           | 0.49           |     | 2.45  | 5031.39 | 244  | 5028.95      | 5039.00 |                   |
|                    | MH/J     | 60.00 | 245 | 19.84 | 12.53 | 2896   | 0.0089 | 40C |    |       |               | 3.56   | 0.49 | 0.00           | 0.12           | 0.00           |     | 3.56  | 5035.10 | 244  | 5032.95      | 5039.00 |                   |
|                    | MH/J     | 60.00 | 211 | 19.84 | 10.75 | 2806   | 0.0056 | 50C |    |       |               | 3.28   | 0.00 | 0.00           | 0.09           | 0.00           |     | 3.28  | 5036.66 | 179  | 5038.06      | 5043.00 |                   |
|                    | MH       | 48.00 | 65  | 12.57 | 5.25  | 1437.2 | 0.0021 | 35C | 90 | 45    | 90            | 0.74   | 0.00 | 3.70           | 0.00           | 0.00           |     | 3.79  | 5042.03 | 179  | 5040.24      | 5047.00 |                   |
|                    | MH       | 48.00 | 65  | 12.57 | 5.25  | 1437.2 | 0.0021 | 35C |    |       |               | 0.74   | 0.00 | 0.00           | 0.02           | 0.00           |     | 0.74  | 5046.58 | 0.43 | 5046.13      | 5046.00 |                   |
|                    | MH       | 42.00 | 0   | 9.62  | 0.00  | 1006.6 | 0.0000 | 0   |    |       |               | 0.74   | 0.00 | 0.00           | 0.00           | -0.08          |     | 0.02  | 5046.58 | 0.43 | 5046.13      | 5046.00 |                   |
|                    |          | 42.00 | 0   | 9.62  | 0.00  | 1006.6 | 0.0000 | 0   |    |       |               | 0.00   | 0.00 | 0.00           | 0.00           | -0.08          |     | -0.08 | 5047.23 | 0.00 | 5047.23      | 5047.00 |                   |
|                    |          |       |     |       |       |        |        |     |    |       |               | 0.00   | 0.00 | 0.00           | 0.00           | 0.00           |     | 0.00  | 5047.23 | 0.00 | 5047.23      | 5047.00 |                   |
|                    | TIE-IN   | 54.00 | 152 | 15.90 | 9.56  | 1967.6 | 0.0050 | 70C |    |       |               | 4.18   | 0.00 | 0.00           | 0.07           | 0.28           |     | 4.35  | 5047.17 | 142  | 5045.75      | 5047.00 |                   |
|                    | MH/B     | 54.00 | 0   | 15.90 | 0.00  | 1667.6 | 0.0000 | 0   |    |       |               | 0.00   | 0.00 | 0.00           | 0.00           | 0.00           |     | 4.18  | 5051.34 | 142  | 5048.92      | 5051.50 |                   |
|                    |          |       |     |       |       |        |        |     |    |       |               | 0.00   | 0.00 | 0.00           | 0.00           | 0.00           |     | 0.00  | 5051.34 | 0.00 | 5051.34      | 5051.50 |                   |
|                    | OUTFALL  | 36.00 | 115 | 7.07  | 16.27 | 567.28 | 0.0257 | 100 |    |       |               |        |      |                |                |                |     |       |         |      |              |         |                   |
|                    | MH/B     | 42.00 | 0   | 9.62  | 0.00  | 1006.6 | 0.0000 | 0   |    |       |               | 2.97   | 0.00 | 0.00           | 0.00           | -0.82          |     | 2.97  | 5035.58 | 4.11 | 5028.47      | 5032.00 |                   |
|                    |          |       |     |       |       |        |        |     |    |       |               | 0.00   | 0.00 | 0.00           | 0.00           | 0.00           |     | -0.82 | 5032.76 | 0.00 | 5032.76      | 5033.00 |                   |
|                    |          |       |     |       |       |        |        |     |    |       |               | 0.00   | 0.00 | 0.00           | 0.00           | 0.00           |     | 0.00  | 5032.76 | 0.00 | 5032.76      | 5033.00 |                   |
|                    | OUTFALL  | 60.00 | 214 | 18.64 | 10.90 | 2606   | 0.0057 | 300 |    |       |               |        |      |                |                |                |     |       |         |      |              |         |                   |
|                    | MH/B/J   | 54.00 | 144 | 15.00 | 9.05  | 1987.6 | 0.0054 | 350 | 90 | 42    | 90            | 2.02   | 0.25 | 1.80           | 0.00           | 0.00           |     | 2.02  | 5030.37 | 184  | 5028.52      | 5039.00 |                   |
|                    | MH/B     | 48.00 | 74  | 12.57 | 5.89  | 1437.2 | 0.0027 | 450 |    |       |               | 1.87   | 0.00 | 0.00           | 0.03           | -0.15          |     | 2.05  | 5032.42 | 127  | 5031.15      | 5035.00 |                   |
|                    | INI ET   | 48.00 | 74  | 12.57 | 5.89  | 1437.2 | 0.0027 | 0   |    |       |               | 1.19   | 0.00 | 0.00           | 0.03           | 0.00           |     | 1.87  | 5034.29 | 127  | 5033.02      | 5035.00 |                   |
|                    |          |       |     |       |       |        |        |     |    |       |               |        | 0.00 | 0.00           | 0.00           | 0.00           |     | -0.15 | 5034.17 | 0.54 | 5033.64      | 5035.00 |                   |
|                    |          |       |     |       |       |        |        |     |    |       |               |        | 0.00 | 0.00           | 0.00           | 0.00           |     | 1.15  | 5035.37 | 0.54 | 5034.83      | 5035.00 |                   |
|                    |          |       |     |       |       |        |        |     |    |       |               |        |      |                |                |                |     | 3.03  | 5035.39 | 0.54 | 5034.06      | 5032.00 |                   |
|                    |          |       |     |       |       |        |        |     |    |       |               |        |      |                |                |                |     |       |         |      |              |         |                   |
| PIPE BETWEEN PONDS |          |       |     |       |       |        |        |     |    |       |               |        |      |                |                |                |     |       |         |      |              |         |                   |
|                    | OUT-FALL | 30.00 | 21  | 4.91  | 4.28  | 410.33 | 0.0026 | 500 |    |       |               |        |      |                |                |                |     |       |         |      |              |         |                   |
|                    | MH/B     | 30.00 | 21  | 4.91  | 4.28  | 410.33 | 0.0026 | 500 |    |       |               | 1.31   | 0.00 | 0.00           | 0.01           | 0.00           |     | 3.03  | 5021.28 | 0.28 | 5021.00      | BRIEF   |                   |
|                    |          | 30.00 | 21  | 4.91  | 4.28  | 410.33 | 0.0026 | 500 |    |       |               | 1.31   | 0.00 | 0.00           | 0.01           | 0.00           |     | 3.03  | 5022.61 | 0.28 | 5022.32      | 5037.00 |                   |
|                    |          | 24.00 | 0   | 3.14  | 0.00  | 228.29 | 0.0000 | 0   |    |       |               |        | 0.00 | 0.00           | 0.00           | -0.06          |     | -0.06 | 5023.86 | 0.00 | 5023.86      | 5023.50 |                   |

SUMMARY OF HYDRAULIC CALCULATIONS  
CLOSED CONDUIT 6/15/98

n = 0.013

| 1       | 2        | 3     | 4    | 5     | 6     | 7      | 8      | 9   | 10    | 11       | 12     | 13   | 14             | 15             | 16             | 17   | 18                | 19   | 20      | 21             | 22      | 23           | 24      |
|---------|----------|-------|------|-------|-------|--------|--------|-----|-------|----------|--------|------|----------------|----------------|----------------|------|-------------------|------|---------|----------------|---------|--------------|---------|
| STATION | STRUCT   | D     | Q    | A     | V     | K      | Sf     | L   | DELTA | JUNCTION | LOSSES | M    | H <sub>0</sub> | H <sub>1</sub> | H <sub>2</sub> | N    | h <sub>misc</sub> | SUM  | E.G.    | N <sub>v</sub> | H.G.    | GROUND ELEV. | COMMENT |
| NORTH   | POND     |       |      |       |       |        |        |     |       | D        | ANGLE  |      |                |                |                |      |                   |      |         |                |         |              |         |
|         | OUTFALL  |       |      |       |       |        |        |     |       |          |        |      |                |                |                |      |                   |      |         |                |         |              |         |
|         |          | 84.00 | 442  | 33.48 | 11.47 | 8393   | 0.0049 | 250 |       |          |        | 1.19 |                |                |                |      |                   | 0.00 | 5016.14 | 2.04           | 5016.10 | 5030.00      |         |
|         | MH/B/BAU |       |      |       |       |        |        |     | 35    | 36       | 90     |      | 0.12           | 5.18           | 0.00           | 0.00 |                   | 1.18 | 5019.34 | 2.04           | 5017.29 | 5030.00      |         |
|         | MH       | 48.00 | 100  | 12.57 | 7.99  | 1437.2 | 0.0049 | 450 |       |          |        | 2.20 |                |                |                |      |                   | 5.31 | 5024.65 | 0.89           | 5023.68 | 5030.00      |         |
|         |          |       |      |       |       |        |        |     |       |          |        |      |                |                |                |      |                   | 2.20 | 5025.85 | 0.89           | 5025.86 |              |         |
|         | INLET    | 48.00 | 100  | 12.57 | 7.99  | 1437.2 | 0.0049 | 195 |       |          |        | 0.96 |                |                |                |      |                   | 0.05 | 5025.90 | 0.99           | 5025.90 | 5030.00      |         |
|         |          |       |      |       |       |        |        |     |       |          |        |      |                |                |                |      |                   | 0.95 | 5027.65 | 0.99           | 5026.86 |              |         |
|         |          | 48.00 | 0    | 12.57 | 0.00  | 1437.2 | 0.0000 | 0   |       | 36       | 90     |      | 0.00           | 1.98           | 0.00           | 0.00 |                   | 1.92 | 5029.83 | 0.00           | 5029.83 | 5030.00      |         |
|         | TIE-IN   |       |      |       |       |        |        |     |       |          |        |      |                |                |                |      |                   |      |         |                |         |              |         |
|         |          | 56.00 | 239  | 21.76 | 10.06 | 3360.3 | 0.0051 | 433 |       |          |        |      | 0.00           | 0.00           | 0.06           | 0.32 |                   | 0.36 | 5023.93 | 1.58           | 5024.05 | 5038.00      |         |
|         | MH       |       |      |       |       |        |        |     |       |          |        | 2.20 |                |                |                |      |                   | 2.20 | 5021.83 | 1.58           | 5026.25 |              |         |
|         | MH/B     | 68.00 | 239  | 21.76 | 10.06 | 3360.3 | 0.0051 | 450 |       |          |        |      | 0.00           | 0.00           | 0.08           | 0.00 |                   | 0.00 | 5021.81 | 1.57           | 5026.33 | 5035.00      |         |
|         |          |       |      |       |       |        |        |     | 15    | 36       | 90     |      | 0.07           | 2.41           | 0.00           | 0.00 |                   | 2.28 | 5030.18 | 1.57           | 5026.81 |              |         |
|         | MH/B     | 54.00 | 117  | 15.90 | 7.37  | 1967.6 | 0.0035 | 450 |       |          |        | 1.60 |                |                |                |      |                   | 2.48 | 5032.86 | 0.84           | 5031.82 | 5033.00      |         |
|         |          |       |      |       |       |        |        |     | 35    |          |        |      | 0.11           | 0.00           | 0.04           | 0.00 |                   | 1.60 | 5034.41 | 0.84           | 5033.42 |              |         |
|         | MH/B     | 54.00 | 117  | 15.90 | 7.37  | 1967.6 | 0.0035 | 450 |       |          |        | 1.60 |                |                |                |      |                   | 0.15 | 5034.41 | 0.84           | 5033.56 | 5038.00      |         |
|         |          |       |      |       |       |        |        |     | 15    |          |        |      | 0.07           | 0.00           | 0.04           | 0.00 |                   | 1.60 | 5035.09 | 0.84           | 5035.16 |              |         |
|         | MH/B/J   | 54.00 | 117  | 15.90 | 7.37  | 1967.6 | 0.0035 | 172 |       |          |        | 0.61 |                |                |                |      |                   | 0.11 | 5035.11 | 0.84           | 5035.27 | 5037.50      |         |
|         |          |       |      |       |       |        |        |     | 83    | 36       | 90     |      | 0.16           | 0.38           | 0.00           | 0.00 |                   | 0.61 | 5036.73 | 0.84           | 5035.88 |              |         |
|         | MH/B     | 48.00 | 93   | 12.57 | 7.40  | 1437.2 | 0.0042 | 450 |       |          |        | 1.83 |                |                |                |      |                   | 0.59 | 5037.27 | 0.85           | 5038.42 | 5037.50      |         |
|         |          |       |      |       |       |        |        |     | 20    |          |        |      | 0.08           | 0.00           | 0.04           | 0.00 |                   | 1.88 | 5039.16 | 0.85           | 5038.31 |              |         |
|         | INLET    | 48.00 | 93   | 12.57 | 7.40  | 1437.2 | 0.0042 | 160 |       |          |        | 0.87 |                |                |                |      |                   | 0.12 | 5039.28 | 0.85           | 5038.43 | 5040.00      |         |
|         |          |       |      |       |       |        |        |     |       |          |        |      | 0.00           | 0.00           | 0.00           | 0.00 |                   | 0.67 | 5039.95 | 0.85           | 5038.10 |              |         |
|         |          | 48.00 | 0    | 12.57 | 0.00  | 1437.2 | 0.0000 | 0   |       |          |        |      |                |                |                |      |                   | 0.00 | 5039.95 | 0.00           | 5039.95 | 5043.00      |         |
|         | OUTFALL  |       |      |       |       |        |        |     |       |          |        |      |                |                |                |      |                   |      |         |                |         |              |         |
|         |          | 42.00 | 129  | 9.62  | 13.38 | 1006.8 | 0.0064 | 135 |       |          |        | 2.21 |                |                |                |      |                   | 0.00 | 5018.88 | 2.78           | 5016.10 | 5030.00      |         |
|         | INLET    | 42.00 | 0    | 9.62  | 0.00  | 1006.8 | 0.0000 | 0   |       | 36       | 90     |      | 0.00           | 5.56           | 0.00           | 0.00 |                   | 2.21 | 5021.09 | 2.78           | 5016.31 |              |         |
|         |          |       |      |       |       |        |        |     |       |          |        |      |                |                |                |      |                   | 5.56 | 5026.65 | 0.00           | 5026.65 | 5030.00      |         |
|         | OUTFALL  |       |      |       |       |        |        |     |       |          |        |      |                |                |                |      |                   |      |         |                |         |              |         |
|         |          | 36.00 | 59.3 | 7.07  | 8.38  | 667.28 | 0.0079 | 100 |       |          |        | 0.79 |                |                |                |      |                   | 0.00 | 5011.19 | 1.09           | 5016.10 | 5030.00      |         |
|         | MH/B     |       |      |       |       |        |        |     | 173   |          |        |      | 0.30           | 0.00           | 0.05           | 0.00 |                   | 0.78 | 5011.88 | 1.09           | 5016.89 |              |         |
|         |          | 36.00 | 59.3 | 7.07  | 8.38  | 667.28 | 0.0079 | 450 |       |          |        | 3.55 |                |                |                |      |                   | 0.35 | 5019.33 | 1.09           | 5017.24 | 5030.00      |         |
|         | MH       |       |      |       |       |        |        |     |       |          |        |      | 0.00           | 0.00           | 0.05           | 0.00 |                   | 3.55 | 5021.86 | 1.09           | 5020.79 |              |         |
|         |          | 36.00 | 59.3 | 7.07  | 8.38  | 667.28 | 0.0079 | 450 |       |          |        | 3.55 |                |                |                |      |                   | 0.00 | 5021.84 | 1.09           | 5020.85 | 5029.00      |         |
|         | INLET    | 36.00 | 0    | 7.07  | 0.00  | 667.28 | 0.0000 | 0   |       | 36       | 90     |      | 0.00           | 2.18           | 0.00           | 0.00 |                   | 3.55 | 5023.48 | 1.09           | 5024.39 |              |         |
|         |          |       |      |       |       |        |        |     |       |          |        |      |                |                |                |      |                   | 2.18 | 5021.67 | 0.00           | 5021.67 | 5028.00      |         |
|         | OUTFALL  |       |      |       |       |        |        |     |       |          |        |      |                |                |                |      |                   |      |         |                |         |              |         |
|         |          | 24.00 | 32.3 | 3.14  | 10.27 | 226.29 | 0.0203 | 210 |       |          |        | 4.27 |                |                |                |      |                   | 0.00 | 5011.74 | 1.84           | 5016.10 | 5030.00      |         |
|         | MH/B     |       |      |       |       |        |        |     | 35    |          |        |      | 0.20           | 0.00           |                | 0.00 |                   | 4.27 | 5022.01 | 1.84           | 5020.37 |              |         |
|         |          | 24.00 | 32.3 | 3.14  | 10.27 | 226.29 | 0.0203 | 300 |       |          |        |      |                |                |                |      |                   | 0.20 | 5022.30 | 1.84           | 5020.66 | 5033.50      |         |
|         | MH/J/J   |       |      |       |       |        |        |     |       |          |        |      |                |                |                |      |                   | 6.10 |         |                | 5026.78 |              |         |
|         |          | 24.00 | 5.75 | 3.14  | 1.83  | 226.29 | 0.0096 | 150 |       | 36       | 90     |      | 0.00           | 3.17           | 0.00           | 0.00 |                   | 3.17 | 500.57  | 0.05           | 5031.52 | 5037.50      |         |
|         | INLET    |       |      |       |       |        |        |     |       |          |        | 0.10 |                |                |                |      |                   | 0.10 | 500.67  | 0.05           | 5031.61 |              |         |
|         |          | 24.00 | 0    | 3.14  | 0.00  | 226.29 | 0.0000 | 0   |       | 36       | 90     |      | 0.00           | 0.10           | 0.00           | 0.00 |                   | 0.10 | 503.77  | 0.00           | 5031.77 | 5038.00      |         |





D. Mark Goodwin & Associates, P.A.  
Consulting Engineers

P.O. BOX 90606, ALBUQUERQUE, NM 87199  
(505) 828-2200 FAX 797-9539  
e-mail: dmgs@swcp.com

April 7, 1999

Mr. Fred Aguirre  
City of Albuquerque  
One Stop - Hydrology Div.  
P.O. Box 1293  
Albuquerque, NM 87199

**Re: 6' wide channel / walkway in Los Prados Del Norte Subdivision (DRB 98-241)**

Dear Mr. Aguirre:

At the March 30 DRB hearing I made inquiry with regard to the use of a 6' wide spillway channel in Tract A of the Los Prados Del Norte Subdivision. It was my understanding that if Glen Jurgenson did not have a problem with the use of a 6' wide channel that the Hydrology Department would allow it.

I have spoken to Glen Jurgenson with regard to the use of a 6' wide channel / walkway located in Tract A of the Los Prados Del Norte Subdivision and he will allow a 6' wide channel / walkway as long as there is a statement on the plat and in the Homeowners Association Covenants that "the landscaping and concrete spillway / walkway located in Tract A will be maintained by the Vista Del Norte Homeowners Association" as shown on the accompanying exhibit.

I Glen Jurgenson, agree to the above statements and conditions.

 4-7-99  
Signature Date

If you have any questions, please call me.

Sincerely,

MARK GOODWIN AND ASSOCIATES, P.A.



Diane Hoelzer, P.E.

DLH:dlh  
f:\prados\drainchan ltr

# LEGAL DESCRIPTION

SEE SHEET 2

## NOTES

- TRACT "A" IS FOR THE MUTUAL BENEFIT AND USE OF PROPERTY OWNERS AND TO PROVIDE A 25' PUBLIC WATER, PUBLIC DRAINAGE AND PRIVATE ACCESS EASEMENT. THE LANDSCAPING AND CONCRETE SPILLWAY/WALKWAY ARE TO BE MAINTAINED BY THE VISTA DEL NORTE HOMEOWNERS ASSOCIATION. TRACT "A" WILL BE CONVEYED TO THE HOMEOWNER'S ASSOCIATION.

## PURPOSE OF PLAT

- TO SUBDIVIDE EXISTING TRACT INTO LOTS & 1 TRACT SUBDIVISION
- TO DEDICATE NEW R/W AS SHOWN
- TO GRANT NEW EASEMENTS AS SHOWN

D/E-16-Z

FILE: NONE

V.

18.9225 Ac

...D16/E16

.....1

.....106

.....1

.....0.6

3.7363 Ac.

FILED 1008

