HYDROLOGY G23/D4 7 PLANS

G23/D4

7 PLANS

G23/D4

7 PLANS

**Shadow Hills Homeowners' Association**
P.O. Box 14376, Albuquerque, NM, 87191

1 March 1982

Property Tax Division
P.O. Box 630
Santa Fe, NM, 87509

Mr. Edward Leyba:

Shadow Hills is a subdivision of 50 single story, townhomes located in the 14000 block of Montgomery Blvd NE on 11½ acres. All homes are individually owned. Their owners participate in governing the subdivision through the Homeowner's Association, a non-profit organization whose Board of Directors consists of uncompensated volunteers.

When Shadow Hills was constructed in 1974, the City of Albuquerque directed that a ponding area be set aside by the developer to retain the immediate run off from the subdivision and surrounding areas for the benefit of those down slope. The ponding area has been maintained by Shadow Hills since that time.

Through 1980 the County Assessor's Office has valued that ½ acre of land to be worth $1000 for tax purposes. The resulting tax bill was approximately $ 20 per year, paid by the Homeowner's Association through their monthly assessment of the residents. Suddenly, in 1981, we were notified that the ponding area would be assessed at $12,000. No improvements had been made, nor can any structures be built on that property because of the city requirement. We protested that evaluation before your tax board. At that hearing we presented a letter from the City Engineer stating that the ponding area was required for the good of the neighborhood and should not be subject to an increased assessment. Regardless, your Board issued a judgement assessing the value of the ponding area at $6000. The only justification given on the notification from your office was "Market Data".

We of the Association do not agree with your ruling. How can land that is restricted by the city to do nothing but collect water during our infrequent rains have any market value? We have protested the 1982 evaluation. Taxes on the land for 1981 were well in excess of $120. Why should the State tax us on land set aside by City requirements?

There are numerous ponding areas throughout the city. Most are probably associated with commercial developments such as shopping centers. Those taxes can be written off as deductions. Ours cannot. We have been bounced back and forth between the City and State bureaucracies with no redress of our grievance. Each says its hands are tied by the other. The State will not acknowledge the City requirement, and the City could care less about our State tax bill.

We intend to actively pursue this matter. One government should not be taxing us on the requirements set forth by another. We should not be forced to bear the tax burden for a facility that benefits others. One of the two governments must initiate some form of action.

ATTCHS:
Background papers

CYS:
1. Mayor
2. City Engineer
3. City Council
4. County Assessor

Sincerely,

Steve Czonstka

Steve Czonstka
President, Board of Directors

1 March 1982

**Shadow Hills Homeowners' Association**
P.O. Box 14376, Albuquerque, NM, 87191

Property Tax Division
P.O. Box 630
Santa Fe, NM, 87509

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ATTCHS:
Background papers

CYS:
1. Mayor
2. City Engineer
3. City Council
4. County Assessor

Sincerely,

Steve Czonstka

Steve Czonstka
President, Board of Directors

THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

BERNALILLO COUNTY

ASSESSOR'S OFFICE
COUNTY OF BERNALILLO
505 CENTRAL, N.W.
ALBUQUERQUE, NEW MEXICO 87102
(505) 766-4040 766-4050

PROTEST NO 82-147

PETITION FOR PROTESTING VALUES

At any time after filing this form with the Assessor you may sign the withdrawal at the bottom of your copy and return the entire form to this office stopping all further proceedings. Within thirty (30) days after filing this form, you will be contacted to set an appointment to review your protest with your appraiser. If no agreement is reached at this time, a formal hearing before the Bernalillo County Protests Board may be scheduled. Should you have trouble filling out this form, please request assistance. This form must be filled out completely. When contacting this office in the future regarding this protest, please refer to the protest number.

Section 7-38-24 et. seq., NMSA 1978, provides that petitions [illegible] be filed with the County Assessor no later than thirty (30) days after [illegible] mailing by the Assessor of the Notice of Value.

DATE FILED 2-10-82

NEW CODE NUMBER 1-025-060-070.995 21201

NAME OF OWNER as on Notice of Value The Shadow Hills Homeowners Association

P.O. Box 14376 Sta. G.

City 87191

I believe the total correct value of my property is as indicated below and that this amount of valuation is not in controversy.

| | LAND | IMPROVEMENTS |
|---|---|---|
| ASSESSED VALUE (on notice of Value) | $ 6,200 | $ X |
| VALUE (Owner's Opinion) | $ 0,000 | $ |
| PROTESTED AMOUNT | $ 6,200 | $ |

Brief explanation of Protest

Land is required to be vacant by the city. It has no market value. It cannot be sold or built upon.

I hereby certify that the foregoing statements and information are true, accurate and complete to the best of my knowledge, information and belief.

President

Steven J Czonstka Steven J Czonstka

Owner or Authorized Agent (Please Print) Signature of Owner or Authorized Agent

4437 Roxbury NE Address (Please Print)

HOME 292-2368 Telephone

WORK 244-4602

Albuquerque City

NM State

87111 Zip Code

WITHDRAWAL

I hereby withdraw the above protest.

Signature

Date

82-01

THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

1980 NOTICE OF VALUE — COUNTY ASSESSOR: JACK M. BARLING — 1 023 060 090 499 21001

EFFECTIVE AS TO VALUE ON: JANUARY 1, 1980

IF RETURNED BY MAIL, SIGNATURES MUST BE NOTARIZED

10N 04E 02

PONDING AREA GLENWOOD HILLS UNIT 5 AMENDED REPLAT CONT 0.569 ACRES

| | ASSESSED VALUE | TAXABLE VALUE |
|---|---|---|
| LAND | $1,000 | $333 |
| IMPROVEMENTS | | |
| TOTAL VALUE | $1,000 | $333 |
| EXEMPTIONS: VETERAN | | |
| FAMILY | | |
| NET TAXABLE VALUE | | $333 |

NAME AND ADDRESS OF PROPERTY OWNER:
THE SHADOW HILLS HOMEOWNERS' ASSOCIATION
PO BOX 14376 STA G
CITY 87191

DATE 100175 BOOK D 991 PAGE 0302
OTHER RCP #00881

FILE PROTESTS AND EXEMPTIONS BEFORE 072280

1629470

SEE GENERAL INSTRUCTIONS PAGE 3

1981 NOTICE OF VALUE — COUNTY ASSESSOR: BERNALILLO COUNTY — 1 023 060 090 499 21001

EFFECTIVE AS TO VALUE ON: JANUARY 1, 1981

IF RETURNED BY MAIL, SIGNATURES MUST BE NOTARIZED

10N 04E 02

PONDING AREA GLENWOOD HILLS UNIT 5 AMENDED REPLAT CONT 0.569 ACRES

THIS IS NOT A TAX BILL
NOTICE OF VALUE OR TENATIVE NOTICE OF VALUE
UNLESS ANOTHER OF THESE FORMS IS MAILED TO YOU BY APRIL 1, OF THIS YEAR, THIS FORM CONSTITUTES YOUR NOTICE OF VALUATION. IF YOU DISAGREE WITH THE VALUES ON THIS FORM, YOU SHOULD PROTEST THE VALUE TO THE ASSESSOR'S OFFICE PRIOR TO THE INDICATED DATE TO PROTECT YOUR LEGAL RIGHTS. IF NO CHANGES ARE NEEDED, DO NOTHING AND KEEP THIS DOCUMENT ON FILE.

| | ASSESSED VALUE | TAXABLE VALUE |
|---|---|---|
| LAND | $12,393 | $4,131 |
| IMPROVEMENTS | | |
| TOTAL VALUE | $12,393 | $4,131 |
| EXEMPTIONS: VETERAN | | |
| FAMILY | | |
| NET TAXABLE VALUE | | $4,131 |

NAME AND ADDRESS OF PROPERTY OWNER:
THE SHADOW HILLS HOMEOWNERS' ASSOCIATION
PO BOX 14376 STA G
CITY 87191

DATE 100175 BOOK D 991 PAGE 0302
OTHER RCP #00881

FILE PROTESTS AND EXEMPTIONS NO LATER THAN 5-29-81

1653860

SEE GENERAL INSTRUCTIONS PAGE 3

1982 NOTICE OF VALUE — COUNTY ASSESSOR: BERNALILLO COUNTY — 1 023 060 090 499 21001

EFFECTIVE AS TO VALUE ON: JANUARY 1, 1982

CURRENT PROPERTY CLASSIFICATION: 252 NON-RESIDENTIAL

IF RETURNED BY MAIL, SIGNATURES MUST BE NOTARIZED

10N 04E 02

PONDING AREA GLENWOOD HILLS UNIT 5 AMENDED REPLAT CONT 0.569 ACRES

THIS IS NOT A TAX BILL
NOTICE OF VALUE OR TENTATIVE NOTICE OF VALUE
UNLESS ANOTHER OF THESE FORMS IS MAILED TO YOU BY APRIL 1, OF THIS YEAR, THIS FORM CONSTITUTES YOUR NOTICE OF VALUATION. IF YOU DISAGREE WITH THE VALUES ON THIS FORM, YOU SHOULD PROTEST THE VALUE TO THE ASSESSOR'S OFFICE PRIOR TO THE INDICATED DATE TO PROTECT YOUR LEGAL RIGHTS. IF NO CHANGES ARE NEEDED, DO NOTHING AND KEEP THIS DOCUMENT ON FILE. FOR RESIDENTIAL PURPOSES YOU MUST SIGN THE BACK OF THIS FORM AND RETURN TO THE ASSESSOR'S OFFICE BY FEB 28th

| | ASSESSED VALUE | TAXABLE VALUE |
|---|---|---|
| LAND | $6,200 | $2,066 |
| IMPROVEMENTS | | |
| TOTAL VALUE | $6,200 | $2,066 |
| EXEMPTIONS: VETERAN | | |
| FAMILY | | |
| NET TAXABLE VALUE | | $2,066 |

NAME AND ADDRESS OF PROPERTY OWNER:
THE SHADOW HILLS HOMEOWNERS' ASSOCIATION
PO BOX 14376 STA G
CITY 87191

DATE 100175 BOOK D 991 PAGE 0302
OTHER RCP #00881

1651937

SEE GENERAL INSTRUCTIONS PAGE 3

**Shadow Hills Homeowners' Association**
P.O. Box 14376
Albuquerque, NM, 87191

Mr. Bruno Conegliano
Assistant Hydrologist
P.O. Box 1293
Albuquerque, NM, 87103

6 May 1981

Dear Sir:

The residents of Shadow Hills have been paying property taxes to Bernalillo County on the ground set aside for a ponding area adjacent to our residences in Glenwood Hills for several years. Recently the County reassessed the value of the ponding area, increasing its value over twelve times. The copies of assessment notices for the years 1979, 1980, and 1981 are attached for your inspection.

At the new assessed value the Shadow Hills Homeowner's Association will be paying over $200 in taxes for the property which the city requires us to set aside for flood control. The ponding area supposedly benefits all property owners in the Glenwood Hills area. We feel that we are being unfairly burdened by paying taxes on that property. Are other ponding areas privately owned?

Request that the city either take over ownership of the ponding area or assist us in our effort to protest the County's recent reassessment. We have filed a formal protest with the County Assessor's office. I have been informed that a hearing will take place several months from now to decide our protest.

Sincerely,

Steven J. Czonstka
President of the Board of Directors

**City of Albuquerque**
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 20, 1981

Shadow Hills Homeowners' Association
P. O. Box 14376
Albuquerque, New Mexico 87191

Re: Taxation of Ponding Area

Attention: Steven J. Czonstka, President
Board of Directors

Dear Mr. Czonstka:

This letter is to confirm the indication furnished verbally by Mr. Bruno Conegliano of my staff. The detention area was built to minimize downstream flooding and damages to City property. The ponding area is not covered by a drainage easement since the homeowners association has assumed maintenance responsibility, but it serves a public purpose, and in my opinion should not be subjected to increased taxation at this time.

Very truly yours,

Richard S Heller

Richard S. Heller
City Engineer

BC/RSH/fs

MUNICIPAL DEVELOPMENT DEPARTMENT

Richard S. Heller, P.E., City Engineer ENGINEERING DIVISION Telephone (505) 766-7467

ASSESSOR'S OFFICE
COUNTY OF BERNALILLO
505 CENTRAL, N.W.
ALBUQUERQUE, NEW MEXICO 87102
(505) 766-4040 766-4050

PROTEST NO. 810054

## PETITION FOR PROTESTING VALUES

At any time after filing this form with the Assessor you may sign the withdrawal at the bottom of your copy and return the entire form to this office stopping all further proceedings. Within thirty (30) days after filing this form, you will be contacted to set an appointment to review your protest with your appraiser. If no agreement is reached at this time, a formal hearing before the Bernalillo County Protests Board may be scheduled. Should you have trouble filling out this form, please request assistance. This form must be filled out completely. When contacting this office in the future regarding this protest, please refer to the protest number.

Section 7-38-24 et. seq., NMSA 1978, provides that petitions shall be filed with the County Assessor no later than thirty (30) days after the mailing by the Assessor of the Notice of Value.

5-1-81
DATE FILED

1-023-060-090-499-21001
NEW CODE NUMBER

The Shadow Hills Homeowner's Association
NAME OF OWNER as on Notice of Value

I believe the total correct value of my property is as indicated below and that this amount of valuation is not in controversy.

| | LAND | IMPROVEMENTS |
|---|---|---|
| ASSESSED VALUE (on notice of Value) | $ 12,393 | $ -0- |
| VALUE (Owner's Opinion) | $ 1,000 | $ -0- |
| PROTESTED AMOUNT | $ 11,393 | $ |

Brief explanation of Protest

X land value has increased over 12 times in one year with no property improvement. Property is a grading area required by city [illegible]

I hereby certify that the foregoing statements and information are true, accurate and complete to the best of my knowledge, information and belief.

Steven J Czonstka
Owner or Authorized Agent (Please Print)

Steven J Czonstka
Signature of Owner or Authorized Agent

4437 Roxbury NE
Address (Please Print)

Business 844-4602
Telephone

Home 294-3368 after 5 PM

Albuquerque NM 87111
City State Zip Code

WITHDRAWAL

I hereby withdraw the above protest.

Signature

Date

BEFORE THE BERNALILLO COUNTY VALUATION PROTESTS BOARD

IN THE MATTER OF THE PROTEST OF Steven J. Czonstka
4437 Roxbury, NE
Albuquerque, NM 87111

PROTEST NO. 810054

## DECISION AND ORDER

This matter came on for hearing before the Bernalillo County Valuation Protests Board (hereinafter called the "Board") on July 22, 1981. All applicable statutes; Property Tax Division regulations; arguments; and, all the evidence presented at the hearing were fully considered by the Board, and the Board being fully informed in the premises, finds as follows:

1. The Board has jurisdiction of the subject matter and parties.

2. The property owner was fully informed as to all statutes and Property Tax Division regulations governing procedures before the Board and was further informed as to the method of valuation used by the Bernalillo County Assessor in determining the value of the subject property.

3. The appropriate valuation method for tax year 1981 for property taxation purposes of the property which is the subject of this protest is:

   Market Data

4. The property owner presented competent evidence which met and overcame the statutory presumption of correctness which favors the valuations as determined by the county assessor provided in Section 7-38-6 NMSA.

5. The property owner presented competent evidence which supported the owner's asserted valuation for property taxation purposes for 1981 or such valuation other than that determined by the Bernalillo County Assessor. The evidence was briefly as follows:

The Board concludes that the valuation as determined by the County Assessor is contrary to law, is not supported by substantial evidence in the record taken as a whole and is arbitrary, capricious or an abuse of discretion.

As additional basis, if any, for the Decision and Order of the Board, the Board relies upon the following:

The Board, therefore, orders that the 1981 valuation records of the Bernalillo County Assessor be changed with respect to the following described property:

Code No. 1 023 060 090 499 21001

The changes in the valuation for property taxation purposes ordered by the Board are as follows:

| | FROM | TO |
|---|---|---|
| Land | 12,393 | 6,200 |
| Improvements | | |

The Board directs the county assessor to take appropriate action to carry out this Order.

DONE THIS 29th DAY OF July, 1981.

Eligio Page

Eligio Page, Chairman

I, Eligio Page, Chairman, certify that I sent, by certified mail, a copy of this Order to the above named property owner, the county assessor and the Director of this Division on this 29th day of July, 1981.

Eligio Page

**City of Albuquerque**
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 20, 1981

Shadow Hills Homeowners' Association
P. O. Box 14376
Albuquerque, New Mexico 87191

Re: Taxation of Ponding Area

Attention: Steven J. Czonstka, President
Board of Directors

Dear Mr. Czonstka:

This letter is to confirm the indication furnished verbally by Mr. Bruno Conegliano of my staff. The detention area was built to minimize downstream flooding and damages to City property. The ponding area is not covered by a drainage easement since the homeowners association has assumed maintenance responsibility, but it serves a public purpose, and in my opinion should not be subjected to increased taxation at this time.

Very truly yours,

Richard S. Heller

Richard S. Heller
City Engineer

BC/RSH/fs

G23-D6

ASSESSOR'S OFFICE
COUNTY OF BERNALILLO
505 CENTRAL N.W.
ALBUQUERQUE, NEW MEXICO 87102
(505) 766-4040

PROTEST NO. 810054

DATE: JULY 6, 1981

RECEIVED
JUL 13 1981
CITY ENGINEER

TO: MR STEVEN J CZONSTKA

4437 ROXBURY NE

ALBUQUERQUE, NEW MEXICO, 87111

RE: The Matter of the Protest of SHADOW HILLS HOME. ASSO. to the 1981 Notice of Valuation issued by the Bernalillo County Assessor.

1-023-060-090-499-21001

Dear Mr. ~~(Mrs.)~~ S. J. CZONSTKA :

This is to notify you that the office of the Bernalillo County Assessor has received your petition of protest, and that the petition has been determined to be timely pursuant to the provisions of Section 72-31-24 of the Property Tax Code. Subsection C of that section states:

> "C Upon receipt of the petition, the county assessor shall schedule a hearing before the county valuation protests board and notify the property owner by certified mail of the date, time, and place that he may appear to support his petition. The notice shall be mailed at least fifteen days prior to the hearing date.

In accordance with the provisions of Section 72-31-24 of the Code, I advise you that your petition protesting your 1981 notice of valuation is hereby scheduled for hearing before the Bernalillo County Valuation Protests Board on JULY 22, 1981 at 2:30 PM at the Bernalillo County Courthouse Annex, County Commission Meeting Room, 2nd Floor, 505 Central Ave., N.W., Albuquerque, New Mexico.

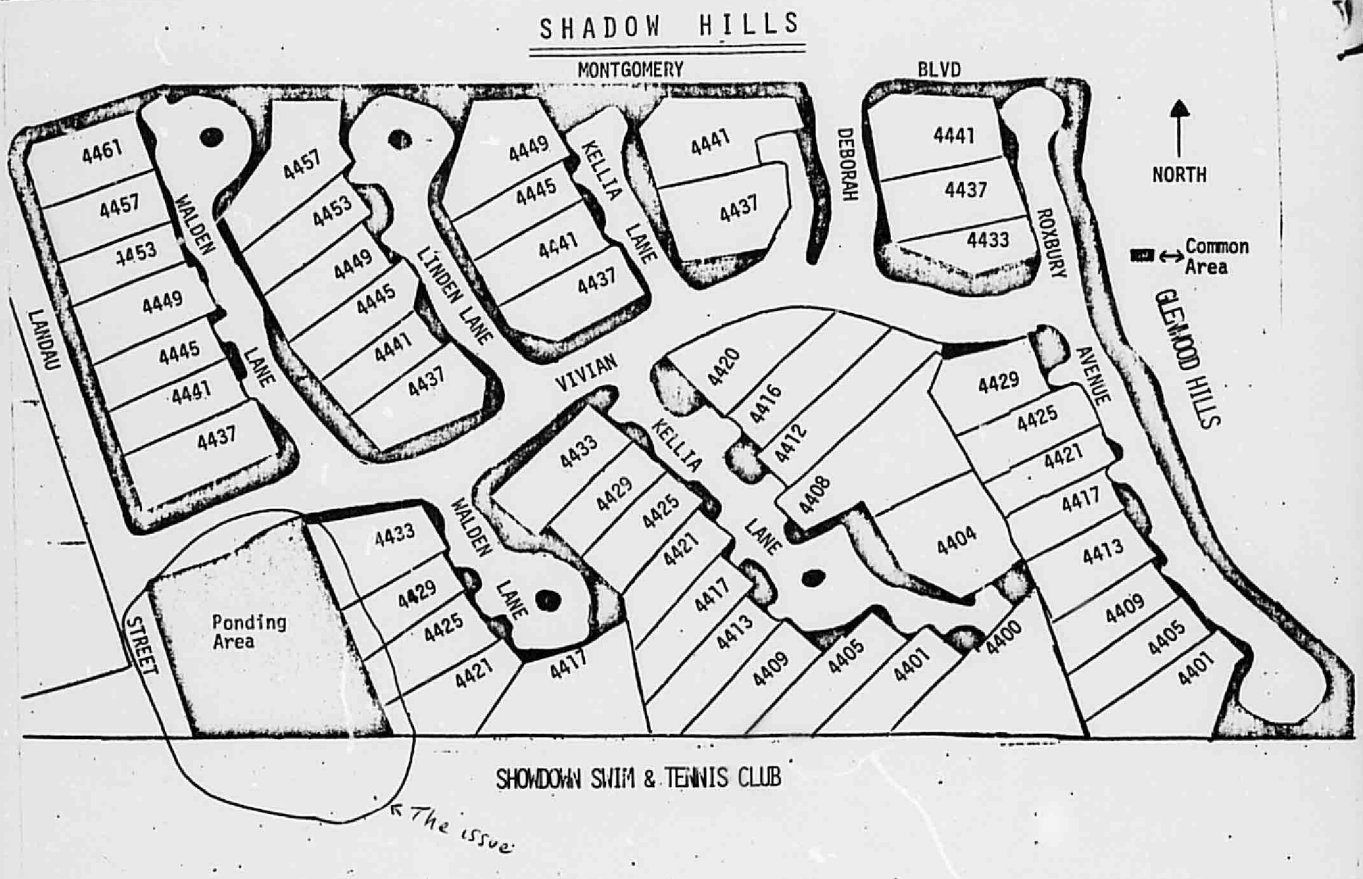
In the event a protesting property owner fails to appear at a scheduled hearing before the Bernalillo County Valuation Protests Board, the board may decide the protest against taxpayer on the basis of the presumption of correctness of the Assessor's notice of valuation found in Section 72-31-6 of the Property Tax Code.

You should bring with you to the formal hearing this letter and all documents which support the allegation in your petition of protest that the value or the allocation of value in the notice of valuation is incorrect.

Yours very truly,

Jack H. Darling
Bernalillo County Assessor

JHD/cs


SHADOW HILLS
MONTGOMERY
BLVD
NORTH
Common Area
GLENWOOD HILLS
AVENUE
ROXBURY
DEBORAH
KELLIA
LANE
LINDEN LANE
WALDEN
LANE
LANDAU
STREET
VIVIAN
KELLIA
LANE
WALDEN
LANE
Ponding Area
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4401
SHOWDOWN SWIM & TENNIS CLUB
The issue

06-15

**Shadow Hills Homeowners' Association**
P.O. Box 14376
Albuquerque, NM, 87191

RECEIVED
MAY 17 1981
CITY ENGINEER

Mr. Bruno Conegliano
Assistant Hydrologist
P.O. Box 1293
Albuquerque, NM, 87103

Dear Sir:

6 May 1981

The residents of Shadow Hills have been paying property taxes to Bernalillo County on the ground set aside for a ponding area adjacent to our residences in Glenwwod Hills for several years. Recently the County reassessed the value of the ponding area, increasing its value over twelve times. The copies of assessment notices for the years 1979, 1980, and 1981 are attached for your inspection.

At the new assessed value the Shadow Hills Homeowner's Association will be paying over $200 in taxes for the property which the city requires us to set aside for flood control. The ponding area supposedly benefits all property owners in the Glenwood Hills area. We feel that we are being unfairly burdened by paying taxes on that property. Are other ponding areas privately owned?

Request that the city either take over ownership of the ponding area or assist us in our effort to protest the County's recent reassessment. We have filed a formal protest with the County Assessor's office. I have been informed that a hearing will take place several months from now to decide our protest.

Sincerely,

Steven J. Czonstka

Steven J. Czonstka
President of the Board of Directors

Phone 844-4602 WORK
294-8368 HOME

BERNALILLO COUNTY NEW MEXICO
788-4050
EFFECTIVE AS TO VALUE ON JANUARY 1, 1981

1981 **NOTICE OF VALUE** COUNTY ASSESSOR BERNALILLO COUNTY

☐ NEW CODE 1 023 060 000 499

OFFICE OF COUNTY ASSESSOR, 505 CENTRAL N.W., ALBUQUERQUE, N.M. 87102

RETURNED BY MAIL
SIGNATURES MUST BE NOTARIZED

| TOWNSHIP | RANGE | SECT | LOT | BLOCK | PROPERTY DESCRIPTION |
|---|---|---|---|---|---|
| 10N | 04E | 02 | | | |

DONDING AREA GLENWOOD HILLS UNIT
5 AMENDED REPLAT CONT 0.569
ACRES

**THIS IS NOT A TAX BILL**

**NOTICE OF VALUE OR TENATIVE NOTICE OF VALUE**
UNLESS ANOTHER OF THESE FORMS IS MAILED TO YOU BY APRIL 1, OF THIS YEAR, THIS FORM CON
YOUR, **NOTICE OF VALUATION**. IF YOU DISAGREE WITH THE VALUES ON THIS FORM, YOU SHOULD PROTEST
TO THE ASSESSOR'S OFFICE PRIOR TO THE INDICATED DATE TO PROTECT YOUR LEGAL RIGHTS. IF NO CHANGES A
DO NOTHING AND KEEP THIS DOCUMENT ON FILE.

**IMPROVEMENT CODES**
RESIDENCE 1 BARNS & OTHERS 3
BUSINESS 2 FENCE 4

**CODE EXPLANATION**
**LAND CODES**
MISC. 1 NON-IRRIGATED 4
GRAZING 2 COMBINED 5
IRRIGATED 3

NET TAXABLE VALUE WILL BE ALLOCATED TO THE GOVERNMENTAL UNITS IN SCHOOL DISTRICT.
"ASSESSED VALUE" is the value determined for property taxation purposes. "TAXABLE VALUE" is 33⅓% of "ASSESSED VALUE". "NET TAXABLE VALUE" is "TAXABLE VALUE" less exemptions and is the value upon which tax is imposed.

"Full Valu
The value c
for proper
purposes.

| | CODE | ASSESSED VALUE | TAXABLE VALUE |
|---|---|---|---|
| LAND | 1 | $12,393 | $4,131 |
| IMPROVEMENTS | | | |
| TOTAL VALUE | | $12,393 | $4,131 |
| EXEMPTIONS | | | |
| VETERAN | | | |
| FAMILY | | | |
| NET TAXABLE VALUE | | | $4,131 |

**NAME AND ADDRESS OF PROPERTY OWNER**
THE SHADOW HILLS HOMEOWNERS'
ASSOCIATION
PO BOX 14376 STA G
CITY 87191

PROPERTY ADDRESS ☐ TAX DEED NUMBER ☐ →

REMITTOR BY MAIL ☐ IN PERSON ☐ DATE: / / DEP:

TITLE CONVEYANCE GRANTOR

DATE 100175 BOOK D 991 PAGE 0302
OTHER RCP #00091

**FILE NUMBER**

| DESCRIPTION | FULL |
|---|---|
| Furn. Fixt. Equipt. & Supplies, Including Leased Property | |
| Tools-Machinery-Shop Equipt., Including Leased Property | |
| Signs Advertising | |
| Nonlicensed Automobiles, Trailers & Heavy Equipment | |
| Leasehold Improvements | |
| Livestock (See Reverse Side) | |
| | |
| **SUB TOTAL** | |

FOR BUSINESS ONLY

FILE PROTESTS AND EXEMPTIONS
NO LATER THAN 5-29-81

SEE GENERAL INSTRUCTIONS PAGE 3

| GBW | GRA | CWD | AFC | X EX |
|---|---|---|---|---|
| GBD | GOX | VGG | MRG | VAL |

ERNALILLO COUNTY NEW MEXICO 1979 NOTICE OF VALUE COUNTY ASSESSOR JACK H. DARLING NEW CODE 1 023 060 090 499
FFECTIVE AS TO TITLE DESCRIPTION AND VALUE ON JANUARY 1, 1979 OFFICE OF COUNTY ASSESSOR, 505 CENTRAL N.W., ALBUQUERQUE, N.M. 87102 OLD CODE C 03 2360 21

| OWNSHIP | RANGE | SECT | LOT | BLOCK |
|---|---|---|---|---|
| 10N | 04E | 02 | | |

PROPERTY DESCRIPTION

PONDING AREA GLENWOOD HILLS UNIT
5 AMENDED REPLAT CONT 0.569
ACRES

OATH OF AFFIRMATION: I solemnly swear or affirm to the best of my knowledge that the statements on this form c signed by me and the preceding list and description are full and correct statements of all pro to be reported pursuant to Section 72-31-8 of The Property Tax Code in the County of Ber uary 1, of this year and all statements required to be made under The Property Tax Code under the pains and penalties of perjury

DONE THIS THE _____ DAY OF _____ 19

PROPERTY OWNER OR HIS AUTHORIZED AGENT

Subscribed and sworn to me this _____ DAY OF _____ 19

ASSESSOR, ASSESSOR'S EMPLOYEE OR NOTARY

OATH TO CLAIM VETERAN EXEM
I hereby swear or affirm that I am a resident as of January 1st of this year and that I am an unmarried surviving spouse of a "Veteran" defined in Section 72-30-5 of The Property Tax I have filed with county assessor a certificate the veteran exemption from the Veteran's Serv and that I claim the exemption from the taxab property owned by me.

CERT. NO.
VETERAN

Sign here

OATH TO CLAIM FAMILY EXEMP
I hereby certify that I am a resident of New Mexic of this year and the "head of a family" as tha in Section 72-30-4(c) of The Property Tax Code an the exemption of $200 of the taxable value of the by Section 72-30-4 of The Property Tax Code that the above information is true and correct.
Head of family
Sign here

| CODE | FULL VALUE | TAXABLE VALUE |
|---|---|---|
| 1 | $1,000 | $333 |
| | $1,000 | $333 |
| | | $33 |

LAND
IMPROVEMENTS
TOTAL VALUE
EXEMPTIONS
VETERAN
FAMILY
NET TAXABLE VALUE

NAME AND ADDRESS OF PROPERTY OWNER
THE SHADOW HILLS HOMEOWNERS'
ASSOCIATION
PO BOX 14376 STA G
CITY 87191

PROPERTY ADDRESS ↓ TAX DEED NUMBER →

RENDITION BY MAIL ☐ IN PERSON ☐ DATE: / / DEP:

TITLE CONVEYANCE GRANTOR

DATE 100175 BOOK D 991 PAGE 0302
OTHER RCP #00001

NET TAXABLE VALUE WILL BE ALLOCATED TO THE GOVERNMENTAL UNITS IN SCHOOL DISTRICT.
"FULL VALUE" is the value determined for property taxation
ABLE VALUE" is 33 1/3% of "FULL VALUE", "NET TAXABLE
ABLE VALUE" less exemptions and is the value upon which

FILE PROTESTS AND EXEMPTIONS
BEFORE 6-29-79

652620

SEE GENERAL INSTRUCTIONS PAGE 3

| | | | | |
|---|---|---|---|---|
| GBW | GRA | CWD | AFC X | EX |
| GBD | GBX | VGG | MRG | VAL |

---

BERNALILLO COUNTY NEW MEXICO 1980 NOTICE OF VALUE COUNTY ASSESSOR JACK H. DARLING NEW CODE 1 023 060 090 499
766-4030
EFFECTIVE AS TO VALUE ON JANUARY 1, 1980 OFFICE OF COUNTY ASSESSOR, 505 CENTRAL N.W., ALBUQUERQUE, N.M. 87102

IF RETURNED BY MAIL SIGNATURES MUST BE NOTARIZ

| OWNSHIP | RANGE | SECT | LOT | BLOCK |
|---|---|---|---|---|
| 10N | 04E | 02 | | |

PROPERTY DESCRIPTION

PONDING AREA GLENWOOD HILLS UNIT
5 AMENDED REPLAT CONT 0.569
ACRES

OATH OF AFFIRMATION: I solemnly swear or affirm to the best of my knowledge that the statements on this form c signed by me and the preceding list and description are full and correct statements of all pro to be reported pursuant to Section 72-31-8 of The Property Tax Code in the County of Ber uary 1, of this year and all statements required to be made under The Property Tax Code under the pains and penalties of perjury.

DONE THIS THE _____ DAY OF _____ 19

PROPERTY OWNER OR HIS AUTHORIZED AGENT

Subscribed and sworn to me this _____ DAY OF _____ 19

ASSESSOR, ASSESSOR'S EMPLOYEE OR NOTARY

OATH TO CLAIM VETERAN EXEM
I hereby swear or affirm that I am a resident as of January 1st of this year and that I am an unmarried surviving spouse of a "Veteran" defined in Section 72-30-5 of The Property Tax I have filed with county assessor a certificate the veteran exemption from the Veteran's Serv and that I claim the exemption from the taxab property owned by me.

CERT. NO.
VETERAN

Sign here

OATH TO CLAIM FAMILY EXEMP
I hereby certify that I am a resident of New Mexic of this year and the "head of a family" as tha in Section 72-30-4(c) of The Property Tax Code an the exemption of $200 of the taxable value of the by Section 72-30-4 of The Property Tax Code that the above information is true and correct.
Head of family
Sign here

| CODE | ASSESSED VALUE | TAXABLE VALUE |
|---|---|---|
| 1 | $1,000 | $333 |
| | $1,000 | $333 |
| | | $333 |

LAND
IMPROVEMENTS
TOTAL VALUE
EXEMPTIONS
VETERAN
FAMILY
NET TAXABLE VALUE

NAME AND ADDRESS OF PROPERTY OWNER
THE SHADOW HILLS HOMEOWNERS'
ASSOCIATION
PO BOX 14376 STA G
CITY 87191

PROPERTY ADDRESS ↓ TAX DEED NUMBER →

RENDITION BY MAIL ☐ IN PERSON ☐ DATE: / / DEP:

TITLE CONVEYANCE GRANTOR

DATE 100175 BOOK D 991 PAGE 0302
OTHER RCP #00001

NET TAXABLE VALUE WILL BE ALLOCATED TO THE GOVERNMENTAL UNITS IN SCHOOL DISTRICT.
"ASSESSED VALUE" is the value determined for property taxa
ABLE VALUE" is 33⅓% of "ASSESSED VALUE", "NET TAXA
ABLE VALUE" less exemptions and is the value upon wh

FILE PROTESTS AND EXEMPTIONS
BEFORE 072280

1629470

SEE GENERAL INSTRUCTIONS PAGE 3

| | | | | |
|---|---|---|---|---|
| GBW | GRA | CWD | AFC X | EX |
| GBD | GBX | VGG | MRG | VAL |

LEAVELL DEVELOPMENT COMPANY
A SUBSIDIARY OF RIO GRANDE INDUSTRIES, INC.

TH

TEXAS HOMES DIVISION
10120 MONTWOOD DRIVE
EL PASO, TEXAS 79925
TELEPHONE 915/598-3465

RECEIVED
MAY 16 1977
CITY ENGINEERS

LDC-6229

May 11, 1977

City of Albuquerque
P. O. Box 1293
Albuquerque, NM 87103

Attn: Mr. Bruno Conigliano

Re: Shadow Hills II, Unit 5, Block 1,
Glenwood Hills

Dear Mr. Conigliano:

Scott Price & Associates, Inc. has requested that we send you the enclosed street profiles on the above development.

Should you have any questions, please contact this office.

Very truly yours,

Lee Adkins

LA:jv
Enclosures

6044 GATEWAY EAST
EL PASO, TEXAS 79905

November 14, 1973

Albuquerque Metropolitan Arroyo
Flood Control Authority
2112 Girard N.E.
Albuquerque, New Mexico 87125

Dear Mr. Robert,

Reference is made to your letter dated November 6, 1973, in regards to the Racquet Club Condominium Development in the Glenwood Hills area. On the third sheet of our report we show a typical grade inlet and note the area required for discharge rates. The following table was used in determining the outflow. Assume Q = AC 2gh and there is a one foot differential between the two controlled flows.

CONTROLLED DISCHARGE TABLE

| Lowest Inlet | | | Second Inlet | | | total outflow |
|---|---|---|---|---|---|---|
| h | A | Q | h | A | Q | |
| 1 | 282 | 9.4 cfs | 0 | 282 | 0 | 9.4 |
| 2 | 282 | 13.3 | 1 | 282 | 9.4 | 22.7 |
| 3 | 282 | 16.3 | 2 | 282 | 13.3 | 29.6 |
| 4 | 282 | 18.9 | 3 | 282 | 16.3 | 35.2 |
| 5 | 282 | 21.1 | 4 | 282 | 18.9 | 40.0 |

Flow Rate Calculations for pond for A-1

A-1 Pond Volume = 15249 cu.ft.

Inflow = 11.97 cfs

Rainfall Volume = 99 acre feet

Runoff Time = $\frac{.99 \times 43560}{11.97}$ = 3600 SEC

Time to fill without outflow = 1274 sec

Assume 15249 cu.ft. in pond at end of 3600 sec

Total outflow volume = $\frac{.99 \times 43560 - 15249}{3600}$

= 7.7 cfs

Average flow will equal 3.8 cfs for 3600 sec

6044 GATEWAY EAST
EL PASO, TEXAS 79905



Flowrate Calculation for A-2 through A-5

Pond Volume = 44000 cu.ft.
Inflow = 48 cfs
Rainfall Volume = 4.03 acre feet
Runoff Time = $\frac{4.03 \times 43560}{48}$ = 36 50 sec

Time to fill without outflow = 920 sec

Assume 44000 cu.ft. at end of 3650

Total outflow = $\frac{4.03 \times 43560 - 44000}{3650}$ = 36 cfs + 3.8 from pond

= 39.8

Average flow from Racquet Club will equal 3.8 + 18 = 21.8 cfs. Flow from Shadow Hills will be 25 cfs after the Shadow Hills Pond fills. This pond will take 1742 sec to fill. Its outflow will have to be added to the basic flows of the Racquet Club outflow. This will increase the discharge requirements over our original drainage proposal of 40 cfs at peak outflow to 65 cfs after 1800 sec of runoff. Although this is less than the present runoff from both areas it is larger than we would like to design a controlled discharge outlet structure to handle. Therefore, since this is a hundred year storm design we believe the best way to handle this increase in outflow is to allow it to go over the spillway and leave the two controlled outlets at the elevations previously proposed and thus limiting the normal discharge to 40 cfs for seasonal operation. In addition we have been most conservative in our runoff values from the grass areas in backyards and between walls which will be built around all units which increases retention time and decreases outflows to the streets. This type of construction will reduce the runoff flow rates, thus reduce the discharge volumes below our design values.

We hope this fulfills your requirements stated in your letter. We solicite your comments and advice. If you have any further questions please do not hesitate to call.

Sincerely,

Rudolph G. Gerdin, P.E.

RGG:yc

Scott Price & Associates Inc.

City of Albuquerque
Mr. Bruno Conigliaro

Re: Shadow Hills
Glenwood Hills Unit 5

Attached is the copy of the approved drainage report for the Shadow Hills PUD. I have also attached a map of the area showing the subject property and its relation to the existing ponding area. Please contact me for any further information required.

Scott Price

Scott Price

DEVELOPMENT · INVESTMENTS · MANAGEMENT
3939 SAN PEDRO N.E., SUITE B-3 P.O. BOX 13163 ALBUQUERQUE, NEW MEXICO 87112 505/883-3633

Talked w/ Scott Price
indicated that the
original plan was
considerably modified and
that we needed much
more detailed data on
the as constructed condition
and calculations pertaining
to the flows into the
pond and pond design data

BC

4/5/77

Shadow Hills II
Jack Sample 8837x45
Also called Glenwood Hills sec. 5

Mr. Kimmick indicates serious drainage & grading problems. requested Betti's contact office. D
3/29/77 Called Scott Price w/ Jack Sample requesting a copy of Drainage Report.

/

# SHADOW HILLS II
(PRESENTLY)

TOTAL AREA DRAINING TO POND
= 11.38 AC.

| | C |
|---|---|
| ROOF AREA = 2.03 AC. | .90 |
| PAVED AREA = 2.13 AC | .92 |
| LANDSCAPED + OPEN = 7.22 AC. | .40 |

WEIGHTED RUNOFF COEFFICIENT

$$\frac{2.03 \times .90 + 2.13 \times .92 + 7.22 \times .40}{2.03 + 2.13 + 7.22}$$

Contact
Scott Price
883-3633

$$= \frac{6.68}{11.38} = 0.59$$

LENGTH OF FLOW = 1150 ft
AVERAGE SLOPE = 4.8 %

T.C = 17 MINS (from "DESIGN" by SEELYE)

$$I = \frac{189}{TC + 25} = 4.5 \text{ in/hr.}$$

$$Q = 0.59 \times 4.5 \times 11.38 = 30.2 \text{ CFS}$$

*2.8 in 100 year · 6 hr. precipitation

Volume of Runoff presently
$= 2.8 \times \frac{1}{12} \times 0.59 \times 11.38 = 1.57$ AC-FT.

Approximate Volume of Pond = 2.852 AC-FT

Volume of Runoff before Shadow Hills development $= .4 \times \frac{1}{12} \times 2.8 \times 11.38$
$= 1.06$ AC-FT.

w/ ADDITION OF 7 TOWNHOUSE UNITS ON WEST BOUNDARY

TOTAL AREA = 11.38 AC.

| | | C |
|---|---|---|
| ROOF AREA = | 2.37 | .90 |
| PAVED AREA = | 2.43 | .92 |
| LANDSCAPED & OPEN = | 6.58 | .40 |
| | 11.38 | |

WEIGHTED RUNOFF COEF. =

$$\frac{2.37 \times .9 + 2.43 \times .92 + 6.58 \times .40}{2.37 + 2.43 + 6.58}$$

$$= \frac{2.13 + 2.24 + 2.63}{11.38}$$

$$= .62$$

I => ASSUME SAME = 4.5 in/hr.

$Q = .62 \times 4.5 \times 11.38 = 31.50$ CFS

Volume of Runoff $= .62 \times 2.8 \times \frac{1}{12} \times 11.38$

$= 1.65$ AC-FT.

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 3441 NEW MEXICO JOHN W. BETTIS

Assumptions

All area east of lots east of Yosemite drain to the alleys. This will require ditch along Tramway and ~~the~~ Subdivision.

Assume 0.5 runoff in Holiday Park.

| | |
|---|---|
| Flows at Black Hills & Palm Springs | 120 |
| Flows at Chellwood Drive & Candelaria | 270 |
| storm drain will handle | 100 |

~~Cand~~

Chellwood S/O Candelaria well flow

| | | | |
|---|---|---|---|
| 8" deep | 90 cfs | velocity | 4.5 |
| 10" deep | 130 cfs | | ~~4.7~~ 5.3 |
| 11" deep | 170 cfs | | 5.9 |
| 12" deep | 210 cfs | | 6.4 |
| 13" deep | 260 cfs | | 7.0 |

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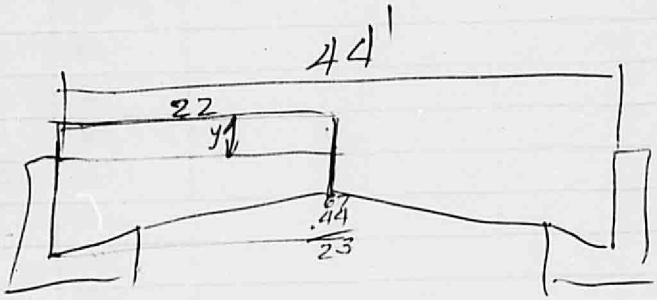
| | | |
|---|---|---|
| 8" deep | 90 cfs | velocity 4.5 |
| 10" deep | 130 cfs | ~~4.7~~ 5.3 |
| 11" deep | 170 cfs | 5.9 |
| 12" deep | 210 cfs | 6.4 |
| 13" deep | 260 cfs | 7.0 |

| | | |
|---|---|---|
| 18 | 12.65 | = 11.6 |
| 19 | 12.48 | = 11.5 |
| 20 | 5.76 | = 5.3 |
| 21 | 15.17 | = 13.9 |
| 22 | 5.72 | = 5.3 |
| 23 | 18.9 | = 17.4 |
| 24 | 5.98 | = 5.5 |
| 25 | 8.38 | = 7.7 |
| 26 | 27.2 | = 24.9 |
| 27 | 16.25 | = 14.9 |
| 28 | | 6.61 |

$$R = \frac{A}{P}\left[\frac{9.9+22y}{22.67+y}\right]$$




$$.67 + .23 = \frac{.9}{2} = .45(22 = 9.90$$

$A = 9.9 + 22y$ $\qquad$ $P = 22.67 + y$

.67
.43
1.10

$$V = \frac{1.486}{.017}$$

$V = 7.82$

| D | Q | ½Q | A | y | V |
|---|---|---|---|---|---|
| | 89 | 44 | | | 4.5 |
| .7 | 100 | 50 | 10.56 | .03 | 4.7 |
| .8 | 134 | 67 | 12.76 | .13 | 5.3 |
| .9 | 176 | 88 | 14.96 | .23 | 5.9 |
| 1.0 | 218 | 109 | 17.16 | .33 | 6.4 |
| 1.10 | 270 | 135 | 19.36 | .43 | 7.0 |

| | Sq In. | x.918. = ac. |
|---|---|---|
| 1 | 37.972 | 34.86 |
| 2 | 1.273 | 1.17 |
| 3 | 1.088 | .999 |
| 4 | 2.853 | 2.62 |
| 4A | 31.099 | 28.55 |
| x 5 | 2.190 | 2.01 |
| x 6 | 2.325 | 2.13 |
| x 7 | 25.577 | 23.5 |
| 1:200 x 8 | 10.432 | 9.6 |
| x 9 | 24.067 | 22.1 |
| x 10 | 8.528 | 7.83 |
| x 11 | 17.44 | 15.65 |
| x 12 | 2.943 | 2.7 |
| x 13 | 11.505 | 10.7 |
| x 14 | 72.592 | 66.64 |
| x 15 | 60.492 | 55.5 |
| x 16 | 91.715 | 84.19 |
| 1:1000 A | 1.853 | x22.957 = 42.54 ac |
| B | .746 | x22.957 = 17.13 ac |
| 17 | 45.534 | 41.8 |

55.5 + 42.5 = 98.04
84.2 + 17.1 = 101.32

| | | | |
|---|---|---|---|
| 15" RCP | S = .02 | 70.1 | 9.9 cfs. |
| 24" RCP | S = .015 | 245.1 | 30 cfs. |
| 24" RCP | S = .030 | | 42 |
| 30" | | 444 | |
| 24" | S = .01 | = | 24cfs |
| 42" | S = .008 | 1090 | 97cfs |

Black Hills S = 2.8

| | | | |
|---|---|---|---|
| 12.5 x 5.4 | = 67.5 | D = .58 | V = 7'/sec |
| 3.32 | = 42 | D = .48 | V = 6'/sec |
| 2.68 | = 33.5 | D = .45 | V = 5.5'/sec |

Palm Springs S = 3.3

| | | | |
|---|---|---|---|
| $Q_{10}$ | = 28 | D = .4 | V = 5.5 |
| $Q_{25}$ | = 32 | D = .42 | V = 5.9 |
| $Q_{100}$ | = 57 | D = .50 | V = 7.0 |

Sum S = .01

| | | | |
|---|---|---|---|
| $Q_{10}$ | = 60 | D = .67 | V = 5.0 |
| $Q_{25}$ | = 73 | D = .75 | V = 5.5 |
| $Q_{100}$ | = 120 | D = .95 | V = 6.0 |
| | 90 | D = .85 | V = 5.5 |

Single C = 3'
double C = 6'6"

9 cfs.

| STREET | FROM | TO | Area | A acres | C | AC | ΣAC | T min. | I in/hr. | Q c.f.s. | Slope % | Length ft. | Vel. ft/sec | ΔT min. | Allow. Q | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 14 | 67 | .5 | 34 | | 5 | 6.3 | 214 | | | | | | H=6615-5963=652 L=1900' |
| | | | 13 | 11 | .6 | 7 | 41 | 5 | 6.3 | 258 | 7% | 400 | 16.7 | .4 | | |
| | | | 12 | 2.7 | .6 | 1.62 | | 6 | 6.1 | 10 | | | | | | |
| | | | | | | | 42 | 6 | 6.1 | 256 | 6% | 430 | 16.7 | .4 | | |
| | | | 11 | 15.6 | .6 | 9.4 | | 7 | 5.9 | 55 | | | | | | |
| | | | | | | | 51.4 | | 5.9 | 303 | | | | | | |
| | | | 15 | 98 | .5 | 49 | | 7 | 5.9 | 290 | | 950 | 20 | .8 | | H=7800-5982=1818 L=.87 Tc=7.4min |
| | | | 10 | 7.8 | .6 | 5 | 54 | 8 | 5.7 | 310 | | | | | | |
| | | | | | | | 103.4 | | 5.7 | 600 | | | | | | |
| | | | 9 | 22.1 | .6 | 13.3 | 118.7 | | 5.7 | 676 | | | | | | |
| | | | 16 | 101.3 | .5 | 51 | 51 | 9 | 5.56 | 283 | | 1100 | 16 | 1.2 | | 7690-5966=1674 L=1.02 |
| | | | 8 | 9.6 | .6 | 6 | 57 | 10 | 5.4 | 308 | | | | | | |
| | | | | | | | 145.7 | | 5.4 | 787 | | 400 | | | | |
| | | | 7 | 23.5 | .6 | 14 | 159 | 11 | 5.25 | 834 | | | | | | |
| | | | 6 | 2.13 | .6 | 1.3 | | | 6.3 | 8 | | | | | | |
| | | | | | | | 160 | 11 | 5.25 | 840 | | | | | | |
| | | | 5 | 2.0 | .6 | 1.2 | | | 6.3 | 8 | | | | | | |
| | | | | | | | 161 | 12 | 5.11 | 822 | | | | | | |
| | | | 3.4 | 4.8 | .6 | 2.87 | | | 6.3 | 18 | | 700 | 16 | 1 | | |
| | | | | | | | 164 | 13 | 4.97 | 815 | | | | | | |
| | | | 1 | 31.86 | .5 | 18 | 182 | 13 | 4.97 | 905 | | | | | | |
| | | | 4A | 28.55 | .6 | 17 | | 10 | 5.4 | 92 | | | | | | |
| | | | | | | | 199 | | 4.9 | 975 | | | | | | |
| | | | 17 | 41.8 | .5 | 21 | 220 | | 4.9 | 1078 | | | | | | |
| | | | 18 | 11.6 | .5 | 6 | 226 | 14 | 4.85 | 1095 | | 800 | 16 | 1 | | |
| | | | 19 | 11.5 | .7 | 8 | 234 | 15 | 4.73 | 1105 | | | | | | |
| | | | 21 | 12.9 | .8 | 11 | | | 5.4 | 59 | | | | | | |
| | | | 23 | 17.4 | .8 | 14 | | | 5.4 | 76 | | | | | | |
| | | | | | | | 25 | | | 135 | | | | | | |

$$T_c = \left(\frac{11.9L^3}{H}\right)^{.385}$$

L = mi
H = ft
T = hr

1605

BASED ON RATIONAL METHOD Q = CIA

Q = Design peak runoff rate in c.f.s.
C = Runoff coefficient
A = Watershed area in acres

I = Rainfall intensity in in./hr. for _____ year storm. Intensity-duration relationship

# STORM DRAINAGE COMPUTATIONS

| STREET | FROM | TO | Area (Total) | A acres | C | AC | ΣAC | T min. | I in/hr. | Q c.f.s. | Slope % | Length ft. | Vel. ft/sec | ΔT min. | Allow. Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 100 | | | | | | |
| | | | 21 | 13.9 | .5 | 6.95 | | 5 | 6.3 | 44 | | | | | |
| | | | 22 | 5.3 | .5 | 2.65 | 9.6 | 5 | 6.3 | 61 | | 1050 | 10 | 2 | |
| | | | 24 | 5.5 | .55 | 3.00 | 12.6 | 7 | 5.9 | 74 | | | | | |
| | | | 23 | 17.4 | .5 | 8.7 | 21.3 | 7 | 5.9 | 126 | | 1500 | | 2.5 | |
| | | | 25 | 7.7 | .5 | 3.9 | 25.2 | 10 | 5.4 | 136 | | | | | |
| | | | 26 | 25.5 | .5 | 12.5 | 37.7 | | 10 YR | 203 | | | | | |
| | | | | | | | 6.95 | | 3.84 | 22 | | | | | |
| | | | | | | | 9.6 | | 3.14 | 30 | | | | | |
| | | | | | | | 12.6 | | 2.94 | 37 | | | | | |
| | | | | | | | 21.3 | | 2.94 | 63 | | | | | |
| | | | | | | | 25.2 | | 2.68 | 66 | | | | | |
| | | | | | | | 37.7 | | 25 YR | 101 | | | | | |
| | | | | | | | 6.95 | | 3.84 | 27 | | | | | |
| | | | | | | | 9.6 | | 3.84 | 37 | | | | | |
| | | | | | | | 12.6 | | 3.62 | 46 | | | | | |
| | | | | | | | 21.3 | | 3.62 | 77 | | | | | |
| | | | | | | | 25.2 | | 3.32 | 84 | | | | | |
| | | | | | | | 37.7 | | | 125 | | | | | |
| | | | | | | | | | 25 YR | | | | | | |
| | | | 22 | | | 2.65 | 2.7 | 5 | 3.84 | 10 | | | | | |
| | | | 24 | | | 3.00 | 5.7 | 7 | 3.62 | 21 | | | | | |
| | | | 25 | | | 3.90 | 9.6 | 10 | 3.32 | 32 | | | | | |
| | | | 26 | | | 3.5 | 22.1 | | | 73 | | | | | |
| | | | | | | | | | 10 YR | | | | | | |
| | | | | | | | 5.7 | | 3.84 | 18 | | | | | |
| | | | | | | | 9.6 | | 3.84 | 28 | | | | | |
| | | | | | | | 22.1 | | 2.68 | 60 | | | | | |
| | | | | | | | | | 100 YR | | | | | | |
| | | | | | | | 5.7 | | | 36 | | | | | |
| | | | | | | | 9.6 | | | 57 | | | | | |
| | | | | | | | 22.1 | | | 120 | | | | | |

NOTES

Area
27 7.5 5.4 = 41
3.32 = 25
2.68 = 20

(20) 5.4 = 270
3.32 = 166
2.68 = 134

Page 100
Street 170

37.7
7.5
45.2
A.6
49.3

BASED ON RATIONAL METHOD Q = CIA

# STORM DRAINAGE COMPUTATIONS

Black Hills & Palm Springs

Q = Design peak runoff rate in c.f.s.
C = Runoff coefficient
A = Watershed area in acres

I = Rainfall intensity in in./hr. for ____ year storm. Intensity-duration relationship

| STREET | FROM | TO | Area (partial) | A acres | C | AC | ΣAC | T min. | I in./hr. | Q c.f.s. | Slope % | Length ft. | Vel. ft/sec | ΔT min. | Allow. Q | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 259 | 15 | 4.73 | 1225 | | 1200 | | 1 | | |
| | | | 20 | 5.3 | .5 | 3 | 262 | 16 | 4.61 | 1208 | | | | | | |

BASED ON RATIONAL METHOD Q = CIA

# STORM DRAINAGE COMPUTATIONS

Q = Design peak runoff rate in c.f.s.
C = Runoff coefficient
A = Watershed area in acres

I = Rainfall intensity in in./hr. for _____ year storm. Intensity-duration relationship