



September 25, 1998

Dan Aguirre  
Wilson & Company  
4775 Indian school Rd. NE Suite 200  
Albuquerque, New Mexico 87110

RE: REVISED ENGINEER CERTIFICATION FOR GRACE PLACE SUBDIVISION  
(J17-D24) CERTIFICATION STATEMENT DATED 8/31/98 DRB96-092  
WO 5558.81 FINANCIAL GUARANTEE RELEASE

Dear Mr. Aguirre:

Based on the information provided on your August 31, 1998 resubmittal, Engineer Certification for the above referenced site is acceptable.

If I can be of further assistance, please feel free to contact me at 924-3986.

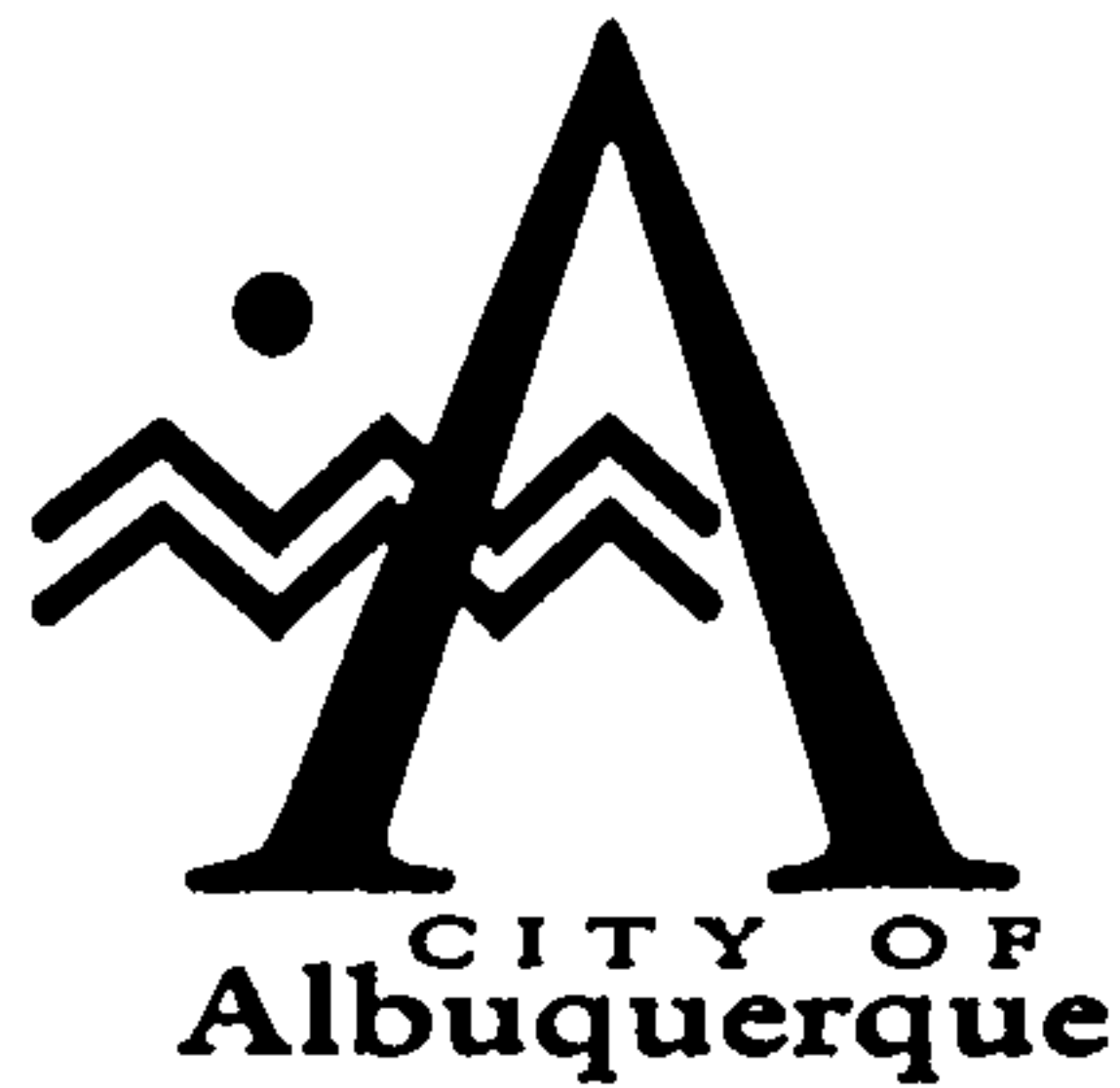
C: Andrew Garcia ✓  
File

Sincerely

Bernie J. Montoya CE  
Associate Engineer

Good for You, Albuquerque!





July 20, 1998

Dan Aguirre  
Wilson & Company  
4775 Indian School Rd. NE Suite 200  
Albuquerque, New Mexico 87110

RE: ENGINEER CERTIFICATION FOR GRACE PLACE SUBDIVISION (J17-D24)  
CERTIFICATION STATEMENT DATED 6/22/98

Dear Mr. Aguirre:

Based on the information provided on your June 24, 1998 submittal, Engineer certification for the above referenced site is not acceptable for the following reason:

1. The as-built plan does not contain enough as-built information to determine if the site was constructed per the approved plan. Please follow the DPM checklist for Engineer Certification.
2. Copy of the letter of acceptance for Work Order 5558.81.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia  
File

Sincerely

*Bernie J. Montoya*  
Bernie J. Montoya CE  
Associate Engineer

Good for You, Albuquerque!



### DRAINAGE INFORMATION SHEET

PROJECT TITLE GRACE PLACE SUBDIVISION ZONE ATLAS/DRNG. FILE #: I-17 24

DRB #: 96-092 EPC #: \_\_\_\_\_ WORK ORDER #: 5558.81

LEGAL DESCRIPTION: Lot 101, Block D, Neats Park Addition

CITY ADDRESS: Sunningdale/Coe Avenue

ENGINEERING FIRM: Wilson & Company CONTACT: Dan Aguirre

ADDRESS: 4775 Indian School Rd, NE, #200 PHONE: (505) 254-4007

OWNER: Nina Coe CONTACT: Nina Coe

ADDRESS: 4307 Sunningdale NE PHONE: (505) 266-6579

ARCHITECT: C.P. Dodgen & Associates CONTACT: Chuck Dodgen

ADDRESS: 5129 Northern Trail NW PHONE: (505) 836-1015

SURVEYOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_

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

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

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

#### TYPE OF SUBMITTAL:

- DRAINAGE REPORT
- DRAINAGE PLAN
- CONCEPTUAL GRADING & DRAINAGE PLAN
- GRADING PLAN
- EROSION CONTROL PLAN
- ENGINEER'S CERTIFICATION
- OTHER \_\_\_\_\_

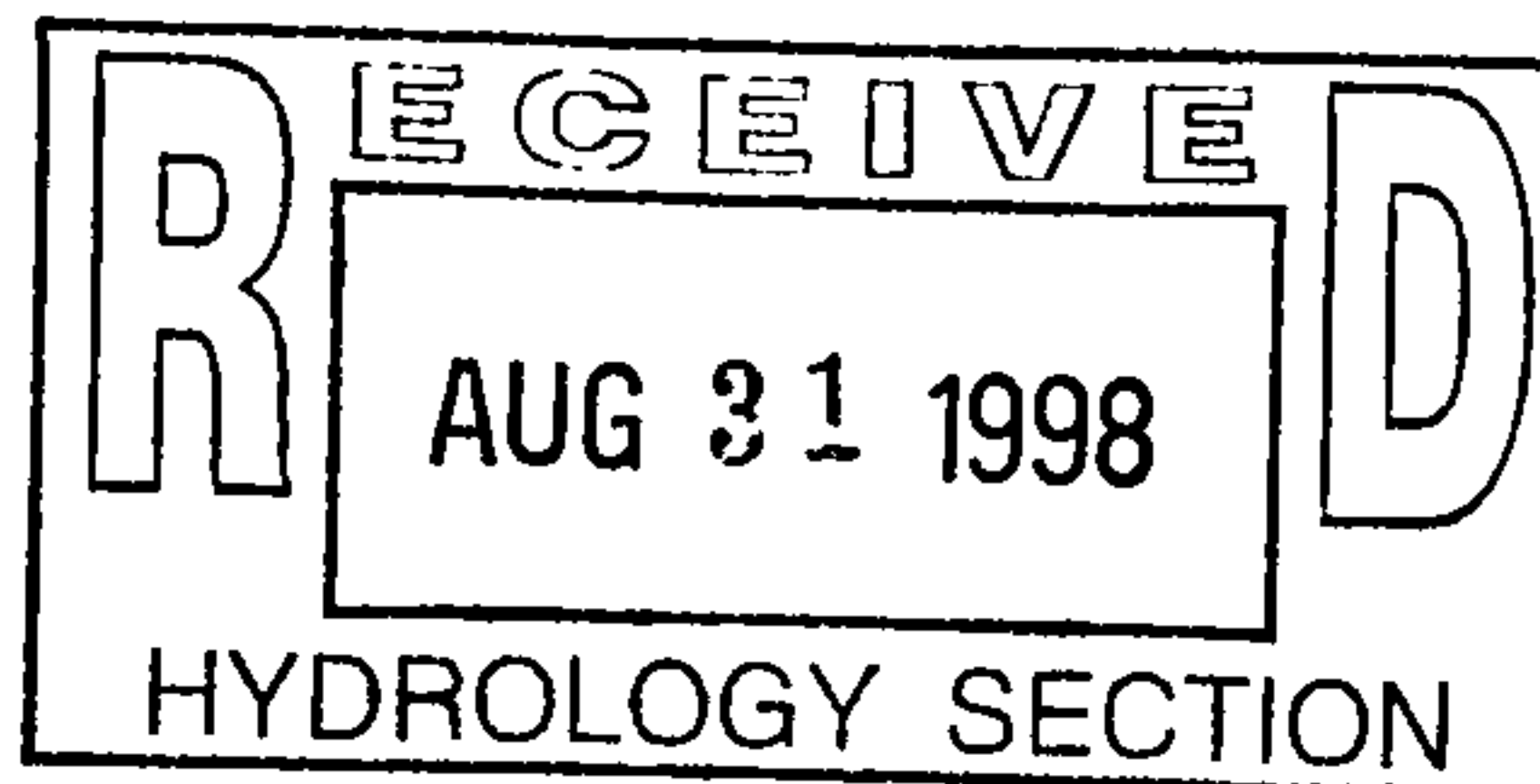
#### PRE-DESIGN MEETING:

- YES
- NO
- COPY PROVIDED

#### CHECK TYPE OF APPROVAL SOUGHT:

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

DATE SUBMITTED: 8-31-98  
BY: Christine Jusco



**DRAINAGE INFORMATION SHEET**

PROJECT TITLE GRACE PLACE SUBDIVISION ZONE ATLAS/DRNG. FILE # J-17 024

DRB #: 96-092 EPC #: \_\_\_\_\_ WORK ORDER #: 5558.81

LEGAL DESCRIPTION: Lot 101, Block D, Neats Park Addition

CITY ADDRESS: Sunningdale/Coe Avenue

ENGINEERING FIRM: Wilson & Company

ADDRESS: 4775 Indian School Rd, NE, #200

OWNER: Nina Coe

ADDRESS: 4307 Sunningdale NE

ARCHITECT: C.P. Dodgen & Associates

ADDRESS: 5129 Northern Trail NW

SURVEYOR: \_\_\_\_\_

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

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

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

CONTACT: Dan Aguirre

PHONE: (505) 254-4007

CONTACT: Nina Coe

PHONE: (505) 266-6579

CONTACT: Chuck Dodgen

PHONE: (505) 836-1015

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

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

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

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

**TYPE OF SUBMITTAL:**

- DRAINAGE REPORT
- DRAINAGE PLAN
- CONCEPTUAL GRADING & DRAINAGE PLAN
- GRADING PLAN
- EROSION CONTROL PLAN
- ENGINEER'S CERTIFICATION
- OTHER \_\_\_\_\_

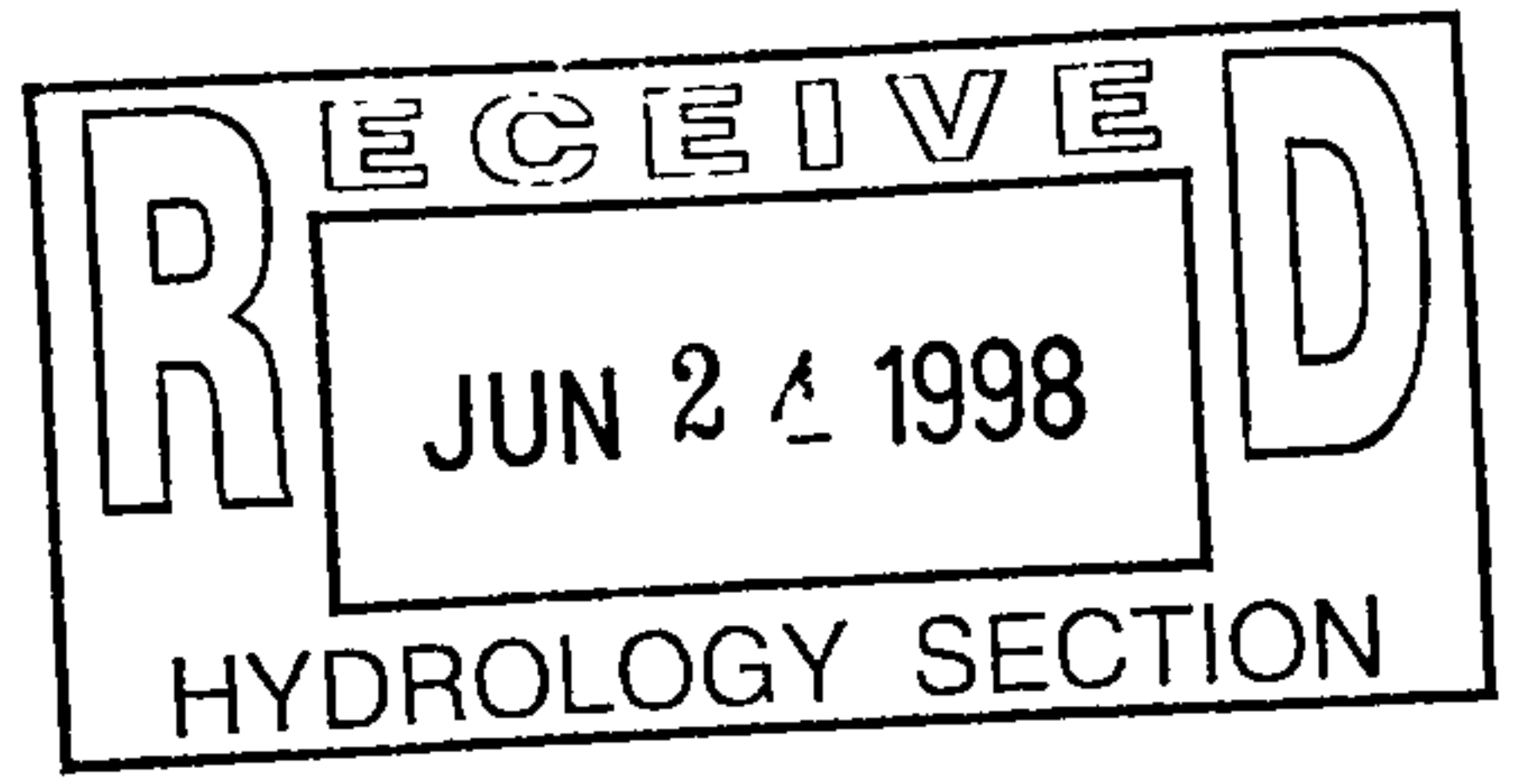
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- GRADING PERMIT APPROVAL
- PAVING PERMIT APPROVAL
- S.A.D. DRAINAGE REPORT
- DRAINAGE REQUIREMENTS
- OTHER \_\_\_\_\_ (SPECIFY)

**PRE-DESIGN MEETING:**

- YES
- NO
- COPY PROVIDED

DATE SUBMITTED: 6-23-98  
BY: *Christine J. [Signature]*





P.O. Box 1293 Albuquerque, NM 87103

October 28, 1996

Martin J. Chávez, Mayor

Dan Aguirre, PE  
Wilson & Company  
4775 Indian School Rd.. NE #200  
Albuquerque, NM 87109

RE: AMENDED GRADING & DRAINAGE PLAN FOR GRACE PLACE (J-17/D24)  
A.K.A. SUNNINGDALE LOT SPLIT  
RECEIVED OCTOBER 16, 1996 FOR FINAL PLAT  
ENGINEER'S STAMP DATED 10-9-96


Dear Mr. Aguirre:

Based on the information included in the submittal referenced above, City Hydrology accepts the grading & drainage plan for final plat. Submit the amended Plan to DRB for their approval.

Engineer's Certification of grading & drainage per DPM checklist must be accepted by City Hydrology before the Financial Guaranty will be released. The channel hydraulics printout does not indicate the cross section analyzed nor does it indicate how the weighted "N" was calculated.

If you have any questions about this project, You may contact me at 768-2727.

Sincerely,

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

c: Andrew Garcia  
Fred Aguirre, DRB 96-092  
Nina Coe, 4307 Sunningdale NE 87110

Good for You. Albuquerque!



**DRAINAGE INFORMATION SHEET**

PROJECT TITLE: GRACE PLACE SUBDIVISION ZONE ATLAS/DRNG. FILE #: J-17 / 1024  
DRB #: 96-092 EPC #: \_\_\_\_\_ WORK ORDER #: 5558.81  
LEGAL DESCRIPTION: Lot 101, Block D, Neats Park Addition  
CITY ADDRESS: Sunningdale/Coe Avenue  
ENGINEERING FIRM: Wilson & Company CONTACT: Dan Aguirre  
ADDRESS: 4775 Indian School Rd, NE, #200 PHONE: (505) 254-4007  
OWNER: Nina Coe CONTACT: Nina Coe  
ADDRESS: 4307 Sunningdale NE PHONE: (505) 266-6579  
ARCHITECT: C.P. Dodgen & Associates CONTACT: Chuck Dodgen  
ADDRESS: 5129 Northern Trail NW PHONE: (505) 836-1015  
SURVEYOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CONTRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

**TYPE OF SUBMITTAL:**

- DRAINAGE REPORT
- DRAINAGE PLAN
- CONCEPTUAL GRADING & DRAINAGE PLAN
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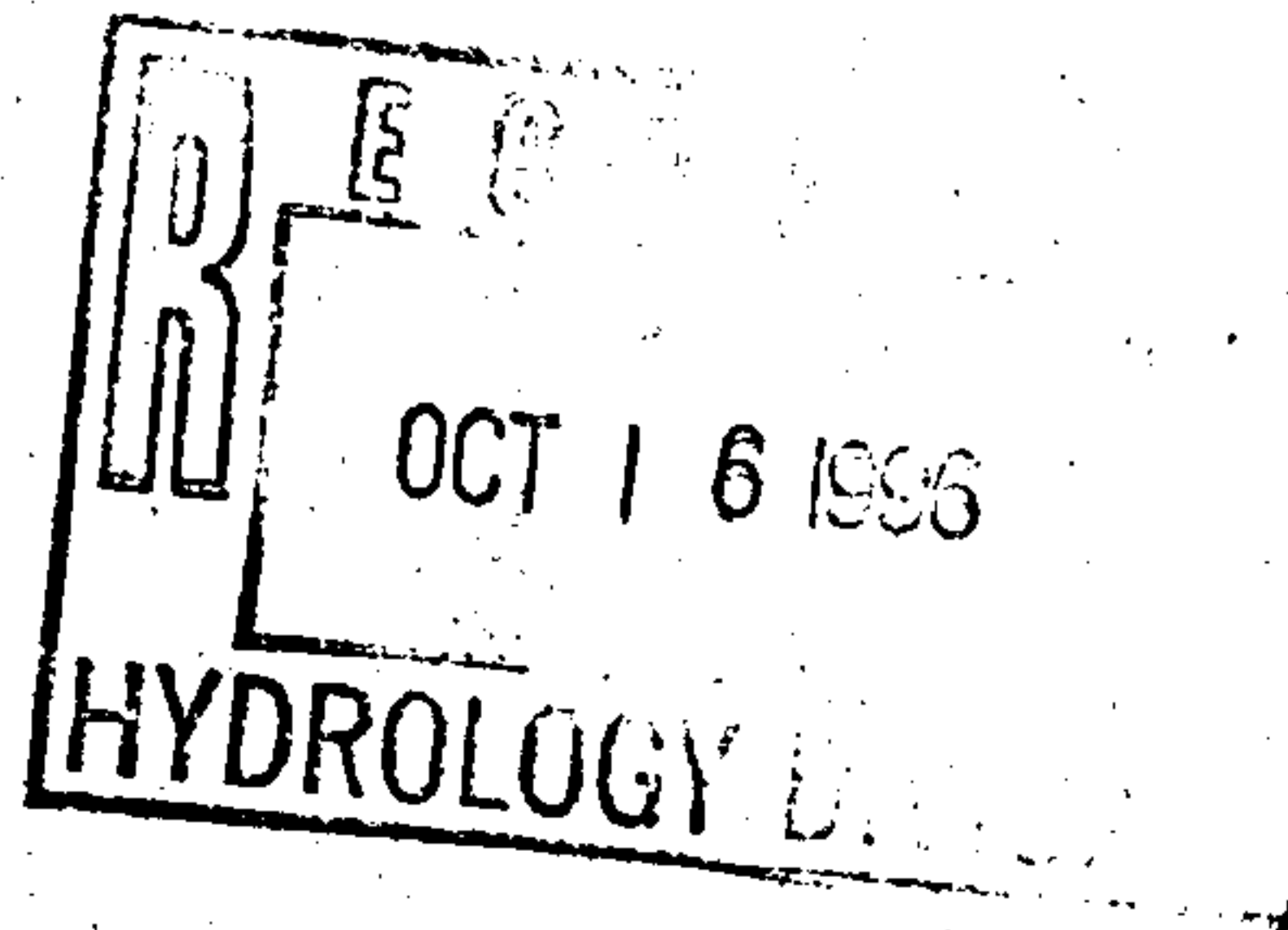
**PRE-DESIGN MEETING:**

- YES
- NO
- COPY PROVIDED

**CHECK TYPE OF APPROVAL SOUGHT:**

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- GRADING PERMIT APPROVAL
- PAVING PERMIT APPROVAL
- S.A.D. DRAINAGE REPORT
- DRAINAGE REQUIREMENTS
- OTHER \_\_\_\_\_ (SPECIFY)

DATE SUBMITTED: 10-15-96  
BY: Kristine Susow





4775 Indian School Road, N.E., Suite 200  
Albuquerque, New Mexico 87110  
Post Office Box 3548 87190  
505-254-4000

Albuquerque  
Colorado Springs  
Denver  
Kansas City  
Lenexa  
Phoenix  
Salina  
San Diego  
Wichita

15 October 1996

Mr. John Curtin, P.E.  
Civil Engineer, Hydrology  
City of Albuquerque  
P.O. Box 1293  
Albuquerque, New Mexico 87103

Re: **Grading and Drainage Plan — GRACE PLACE SUBDIVISION (J-17/D24)**  
WCEA File: 96-210-023

Dear Mr. Curtin:

Per your letter dated September 11, 1996, we have addressed your comments as follows:

The Grading Plan will be submitted within the week to DRB for their approval.

We have added TW and BW elevations on the specific side of "T" intersection which they occur for clarity. Also, we have checked and edited elevation values.

As indicated on the Plat, Lot G fronts Sunningdale while Lot A fronts Gracia Ct.

We have used mountable curb for Gracia Ct (see attached Channel hydraulics) and a valley gutter has been added.

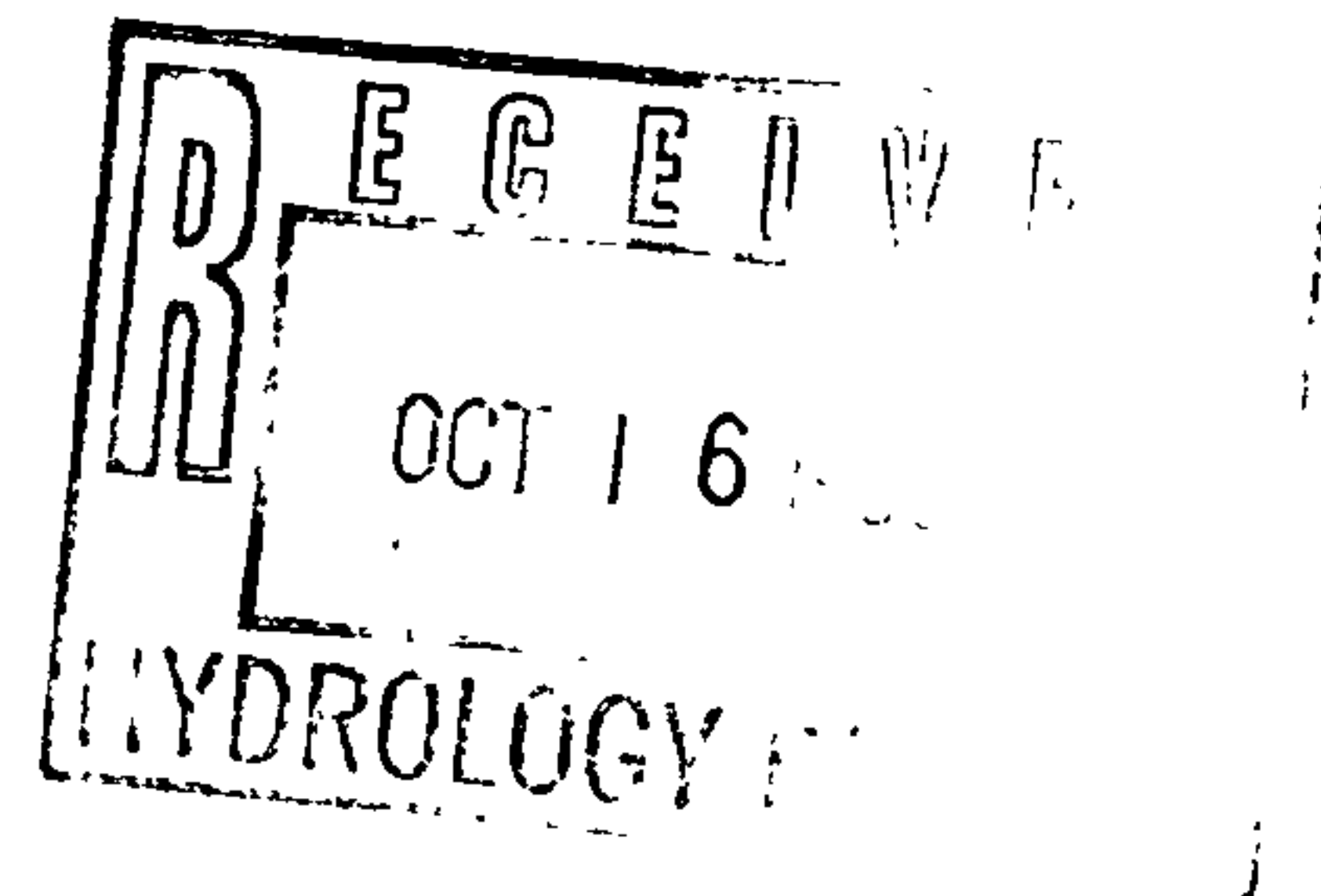
If you have any questions, please contact Dan Aguirre or me.

WILSON & COMPANY

Kristine Susco  
Project Designer

KIS/kis

Enclosures



Cross Section  
Cross Section for Irregular Channel

Project Description	
Project File	c:\haestad\fmw\graceia.fm2
Worksheet	STREET FLOW
Flow Element	Irregular Channel
Method	Manning's Formula
Solve For	Water Elevation

Section Data	
Wtd. Mannings Coefficient	<del>0.014</del> 0.017
Channel Slope	0.100000 ft/ft
Water Surface Elevation	0.05 ft
Discharge	6.00 cfs

Cross Section

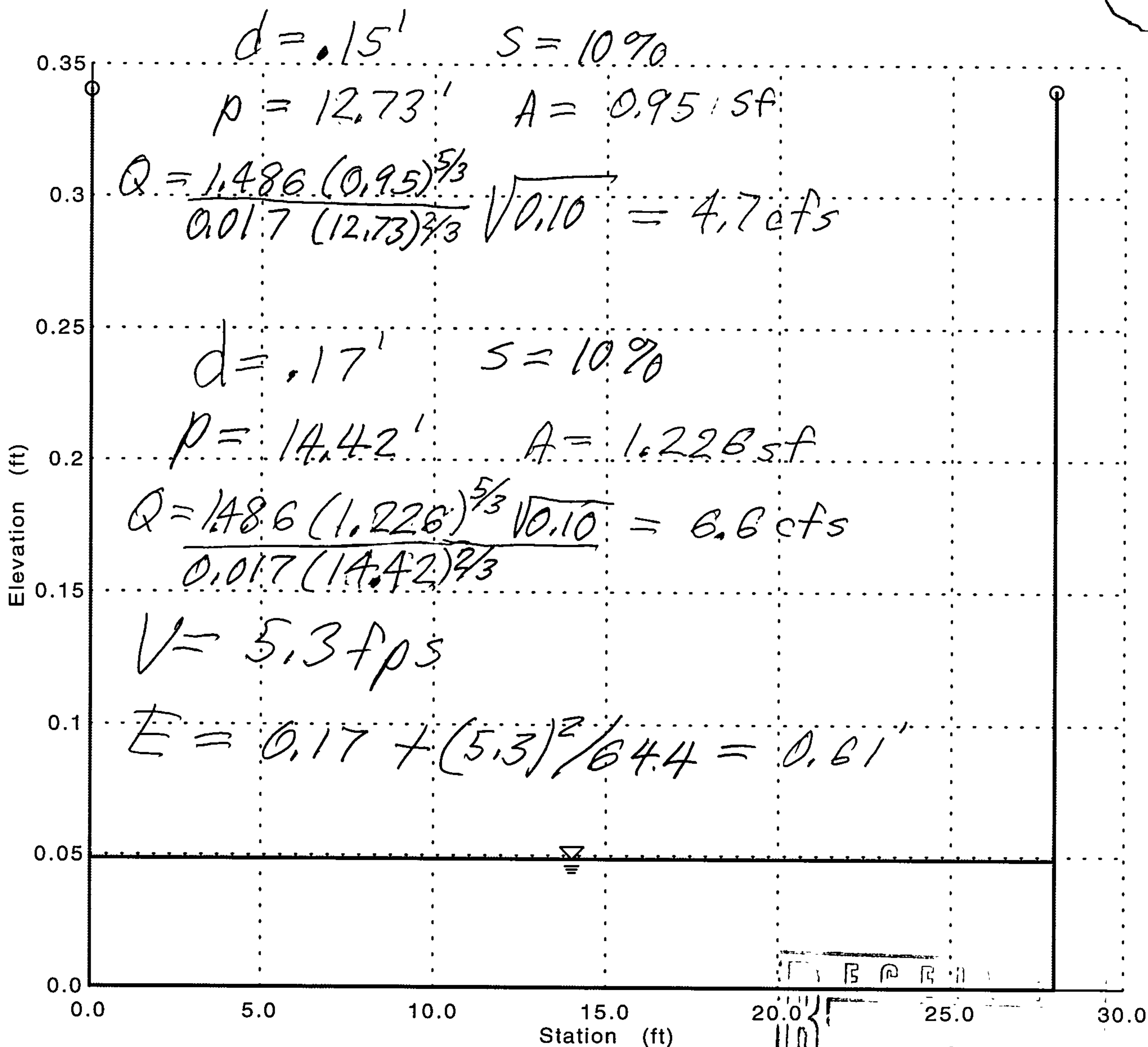
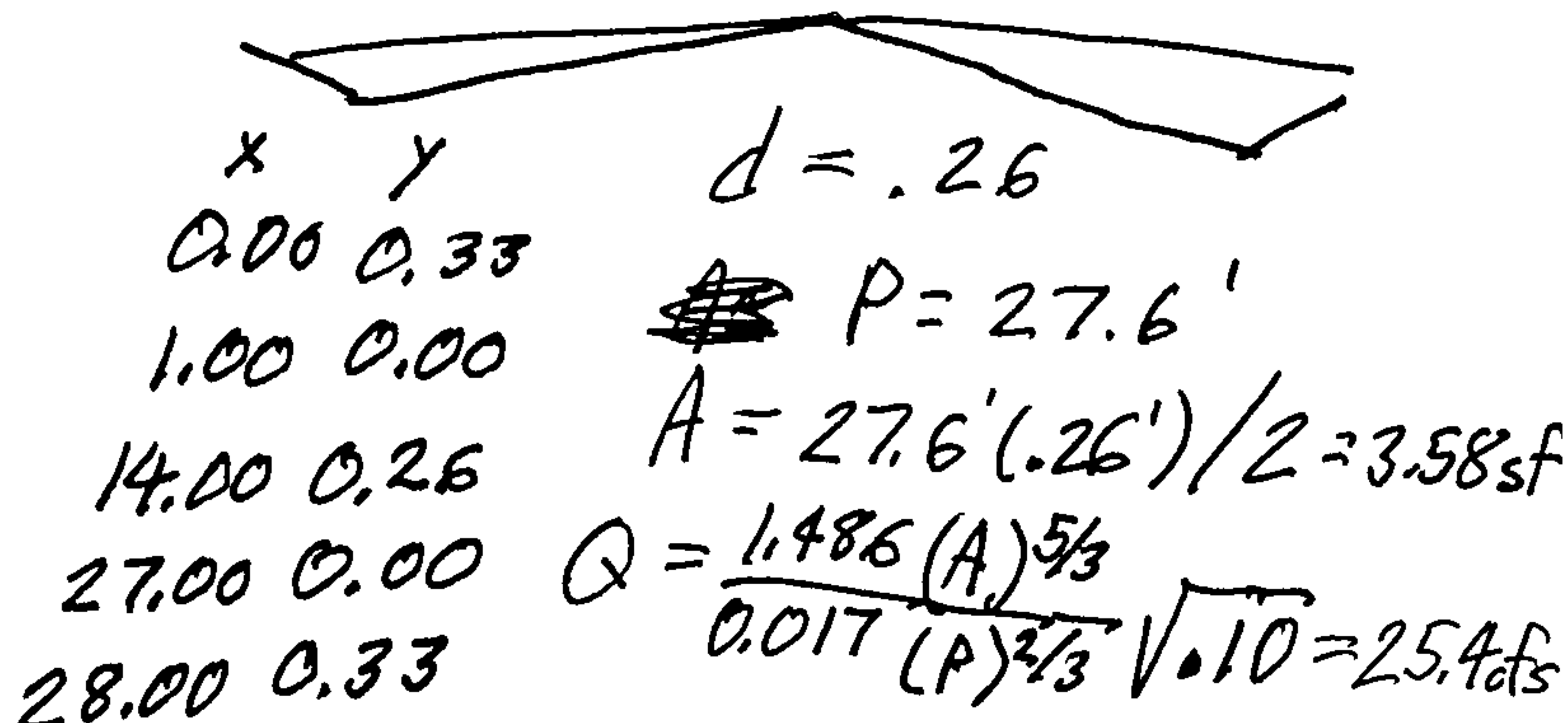




FIGURE 6  
 CITY OF ALBUQUERQUE  
 NOTICE OF D.R.C. MEETING  
9-13-96  
 (DATE)

DRD NO: 96-092  
 PROJECT NO: 535881  
 ZONE ATLAS: VI-17

PROJECT NAME: Grace Place Subdivision  
 LOCATION: Indian School & Sunningdale

TYPE OF PROJECT: AHBA  CIP  PWC  SAD  ALL PRIVATE

Contact Person: Kristine Susco Phone: 254-4000  
 Firm: Wilson & Co.

Scheduled with the D.R.C. on 9-19-96 at 1:30 in Conf. Room 302  
 No DRC Meeting Scheduled. Please return any comments by \_\_\_\_\_

The Project Is Scheduled For:

- |   |  |
|---|--|
| <input type="checkbox"/> Design Report Review               | <input type="checkbox"/> Final Plan Review |
| <input type="checkbox"/> Pre-Design Meeting                 | <input type="checkbox"/> Signoff of Plans  |
| <input checked="" type="checkbox"/> Preliminary Plan Review |  |

The Project Relates To:

- Water  San. Sewer  Paving  Storm Drainage

The Attached Package Includes:

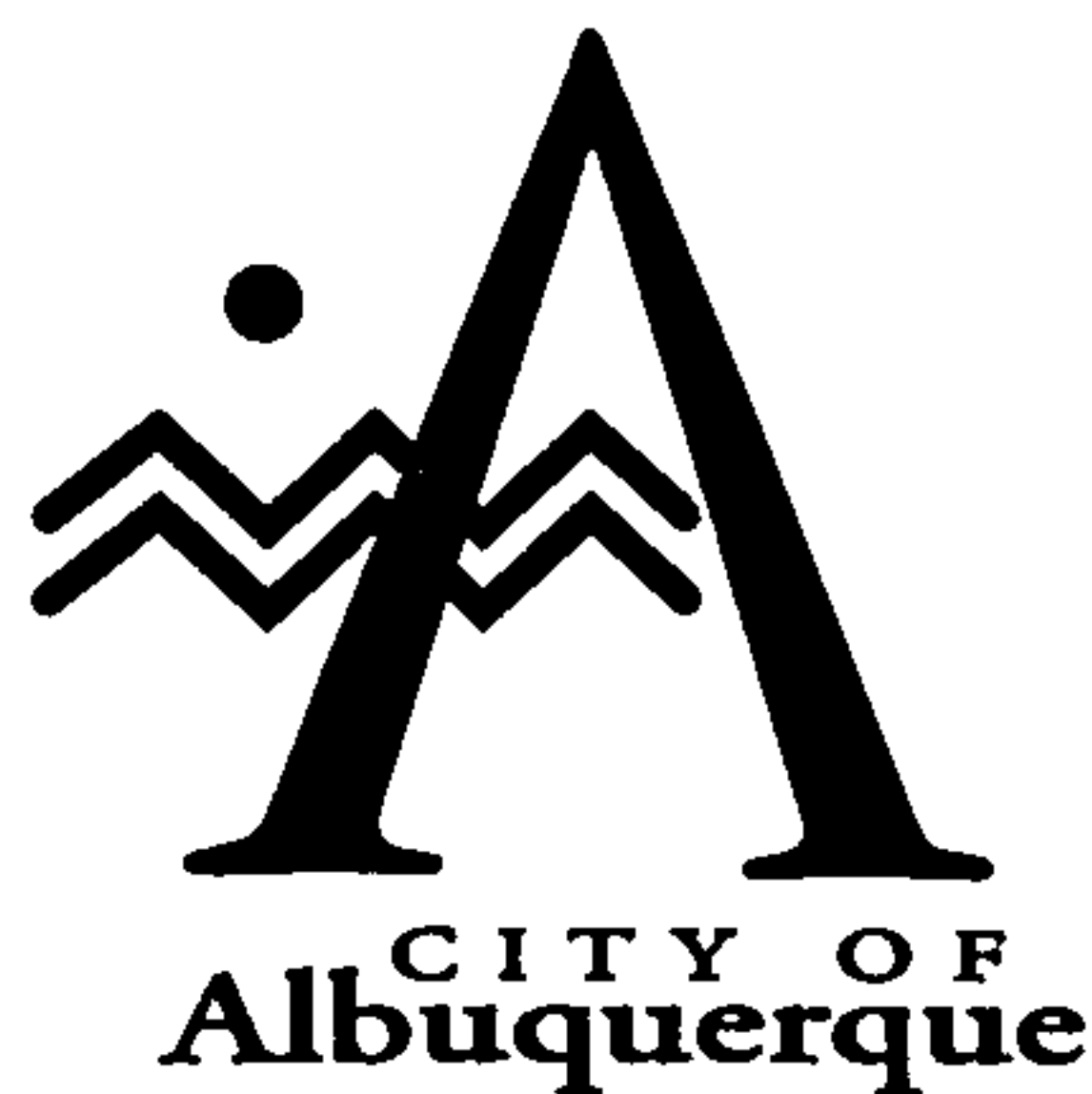
- D/ Drawings  S/ Spec's  E/ Estimate  R/ Report  M/ Memo Only

Indicated below are the Departments/Divisions that have received project documents and/or are invited to attend. It will be the Project Managers responsibility to notify consulting engineering firms of date and time of scheduled meetings.

<input checked="" type="checkbox"/> DRC Chairman	Project Review Section	All Drawings
<input checked="" type="checkbox"/> Traffic Repres	Transportation Development	All Drawings
<input checked="" type="checkbox"/> Water Repres	Utility Design	All Drawings
<input checked="" type="checkbox"/> Hydro Repres	Hydrology	All Drawings
<input checked="" type="checkbox"/> Const. Repres.	Construction	All Drawings
<input checked="" type="checkbox"/> Ray Chavez	Traffic Operations	All Drawings
<input checked="" type="checkbox"/> Andre Houle	Street Maintenance	All Drawings
<input checked="" type="checkbox"/> Sergio Miranda	Water (Shutoff Plan)	All Paving
<input checked="" type="checkbox"/> Parks Repres.	Parks & Recreation	All Water Shutoff
<input type="checkbox"/>	Utility Coordinator	ALL Landscaping
<input type="checkbox"/>	Transit Department	ALL PWC & CIP
<input type="checkbox"/>	Construction Coordinator	CIP/Memo
<input type="checkbox"/>	Line Maintenance	CIP/Memo
<input type="checkbox"/>	City Architect	CIP & SAS/Memo
<input type="checkbox"/>	SAD Engineer	Arch. Drawings
<input type="checkbox"/>	Transportation Develop.	SAD/Memo
<input type="checkbox"/>	Utility Design	CIP/Memo
<input type="checkbox"/>	General Services Dept.	CIP/Water & SAS
<input type="checkbox"/>	PWD/Legal	Arch. Drawings
<input type="checkbox"/>	Planning Department	Specs & Dwgs.
<input type="checkbox"/>	CIP	CIP/Memos
<input type="checkbox"/>	Risk Management	CIP/Memos
<input type="checkbox"/>		Arch. Drawings

**CURTIN**

DRCNOTIC. 10/19/95



P.O. Box 1293 Albuquerque, NM 87103

September 11, 1996

Martin J. Chávez, Mayor

Dan Aguirre, PE  
Wilson & Company  
4775 Indian School Rd.. NE #200  
Albuquerque, NM 87109

RE: GRADING & DRAINAGE PLAN FOR GRACE PLACE (J-17/D24)  
A.K.A. SUNNINGDALE LOT SPLIT  
RECEIVED AUGUST 22, 1996 FOR PRELIMINARY & FINAL PLAT  
ENGINEER'S STAMP DATED 7-15-96

Dear Mr. Aguirre:

Based on the information included in the submittal referenced above, City Hydrology accepts the grading & drainage plan for preliminary plat. The following comments must be addressed before Final Plat:

The grading plan must be submitted to the DRB for their approval. The current plan is confusing. It is not clear where the TW & BW elevations are located at "T" intersections. Some of these elevations do not make sense with the proposed contours. Why does Lot A have a 10' setback from Sunningdale when Lot G has a 20' setback? It is hard to tell the lot lines from the proposed contours. It would be helpful if the lots were labeled. Consider using mountable curb instead of standard curb & gutter on Garcia Court. A valley gutter is required at Sunningdale.

If you have any questions about this project, You may contact me at 768-2727.

Sincerely,

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

c: Andrew Garcia  
Fred Aguirre, DRB 96-092  
Nina Coe, 4307 Sunningdale NE 87110

Good for You, Albuquerque!



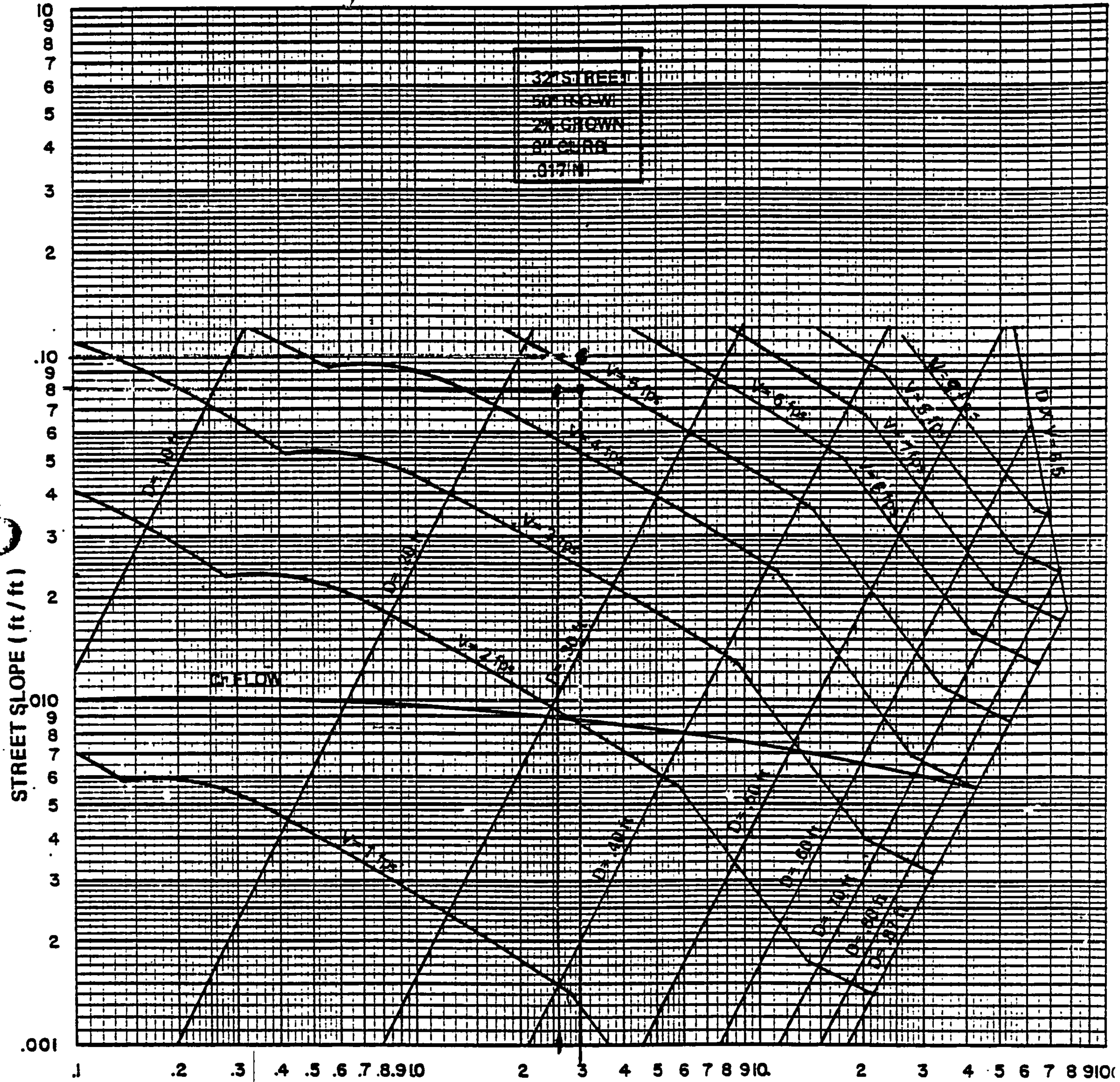
5-

Velocities > 6 fps were labeled wrong JPC 4/21/9. 22.3

$S = 10\%$      $Q = 6 \text{ cfs}$   
 $d = .23'$      $V = 5.2 \text{ fps}$

STREET CAPACITY

$E = 0.23 + \frac{(5.2)^2}{29} = 0.65'$



$S = 8\%$   
 $Q = 6 \text{ cfs}$  ONE HALF STREET FLOWS (cfs)  
 $d = .24'$   
 $V = 4.8 \text{ fps}$   
 $E = .24 + \frac{(4.8)^2}{29} = .60'$

$S = 8\%$   
 $Q = 5.2 \text{ cfs}$   
 $d = .23'$   
 $V = 4.6 \text{ fps}$   
 $E = .23 + \frac{(4.6)^2}{29} = .56'$

**DRAINAGE INFORMATION SHEET**

PROJECT TITLE Grace Place ZONE ATLAS/DRNG. FILE #: J-17/1024

DRB #: 96-092 EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: Lot 101, Block D, Neats Park Addition

CITY ADDRESS: Sunningdale/Coe Avenue

ENGINEERING FIRM: Wilson & Company

ADDRESS: 4775 Indian School Rd, NE, #200

OWNER: Nina Coe

ADDRESS: 4307 Sunningdale NE

ARCHITECT: C.P. Dodgen & Associates

ADDRESS: 5129 Northern Trail NW

SURVEYOR: \_\_\_\_\_

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

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

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

CONTACT: Dan Aguirre

PHONE: (505) 254-9007

CONTACT: Nina Coe

PHONE: (505) 266-6579

CONTACT: Chuck Dodgen

PHONE: (505) 836-1015

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

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

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

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

**TYPE OF SUBMITTAL:**

- DRAINAGE REPORT
- DRAINAGE PLAN
- CONCEPTUAL GRADING & DRAINAGE PLAN
- GRADING PLAN
- EROSION CONTROL PLAN
- ENGINEER'S CERTIFICATION
- OTHER \_\_\_\_\_

**PRE-DESIGN MEETING:**

- YES
- NO
- COPY PROVIDED

**CHECK TYPE OF APPROVAL SOUGHT:**

- SKETCH PLAT APPROVAL
- PRELIMINARY PLAT APPROVAL
- S. DEV. PLAN FOR SUB'D. APPROVAL
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- S.A.D. DRAINAGE REPORT
- DRAINAGE REQUIREMENTS
- OTHER \_\_\_\_\_ (SPECIFY)

DATE SUBMITTED: 8/23/96

BY: [Signature]

AUG 22 1996

**WILSON  
& COMPANY**

4775 Indian School Road, N.E., Suite 200  
Albuquerque, New Mexico 87110  
Post Office Box 3548 87190  
505-254-4000

Albuquerque  
Colorado Springs  
Denver  
Kansas City  
Lenexa  
Phoenix  
Salina  
San Diego  
Wichita

21 August, 1996

John Curtin, P.E.  
City of Albuquerque, Hydrology  
P.O. Box 1293  
Albuquerque, NM 87103

Re: Grading/Drainage Plan for D.R.B.:96-092  
WCEA File: 96-023

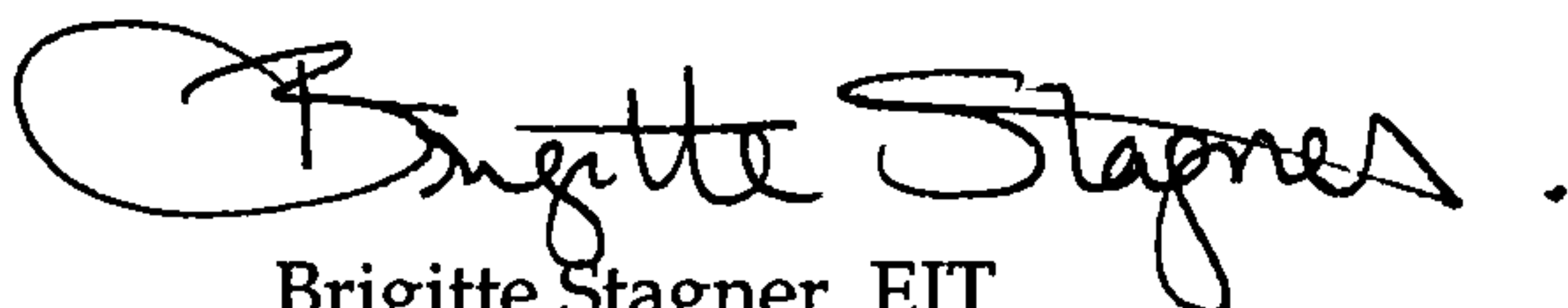
Dear Mr. Curtin:

The grading and drainage plan for the proposed Grace Place is being resubmitted with the revisions that you requested. The following issues have been addressed:

1. The type of submittal has been changed to a Preliminary Plat Approval.
2. The DRB number is 96-092.
3. A copy of the proposed infrastructure list is included in the resubmittal.
4. The lot number has been added to the grading and drainage plan.
5. Grading in the Indian School right of way has been discussed and coordinated with Holmes and Narver as well as the City of Albuquerque.
6. The downstream capacity was determined using the computer program Hydraflow Storm Sewers, Version 7.0. A copy of the output is attached. The storm drain was analyzed using flows in the range of 800 cfs and 700 cfs. The storm drain downstream from the site (#2 in output), is at capacity around 800 cfs.
7. Dave Lehrer at Holmes and Narver stated that the high water elevation in Sunningdale Avenue at the bridge is 3.13 feet.

A copy of the grading and drainage plan is attached. If there are any questions or comments, please do not hesitate to contact me.

WILSON & COMPANY



Brigitte Stagner, EIT  
Project Designer

BMS/bms

AUG 22 1996



D.R.B. Case No.: 96-092  
 D.R.C. Project No.: \_\_\_\_\_  
 Date Submitted: 20 AUGUST 1996  
 Prelim. Plat Approved: \_\_\_\_\_  
 Prelim. Plat Expires: \_\_\_\_\_

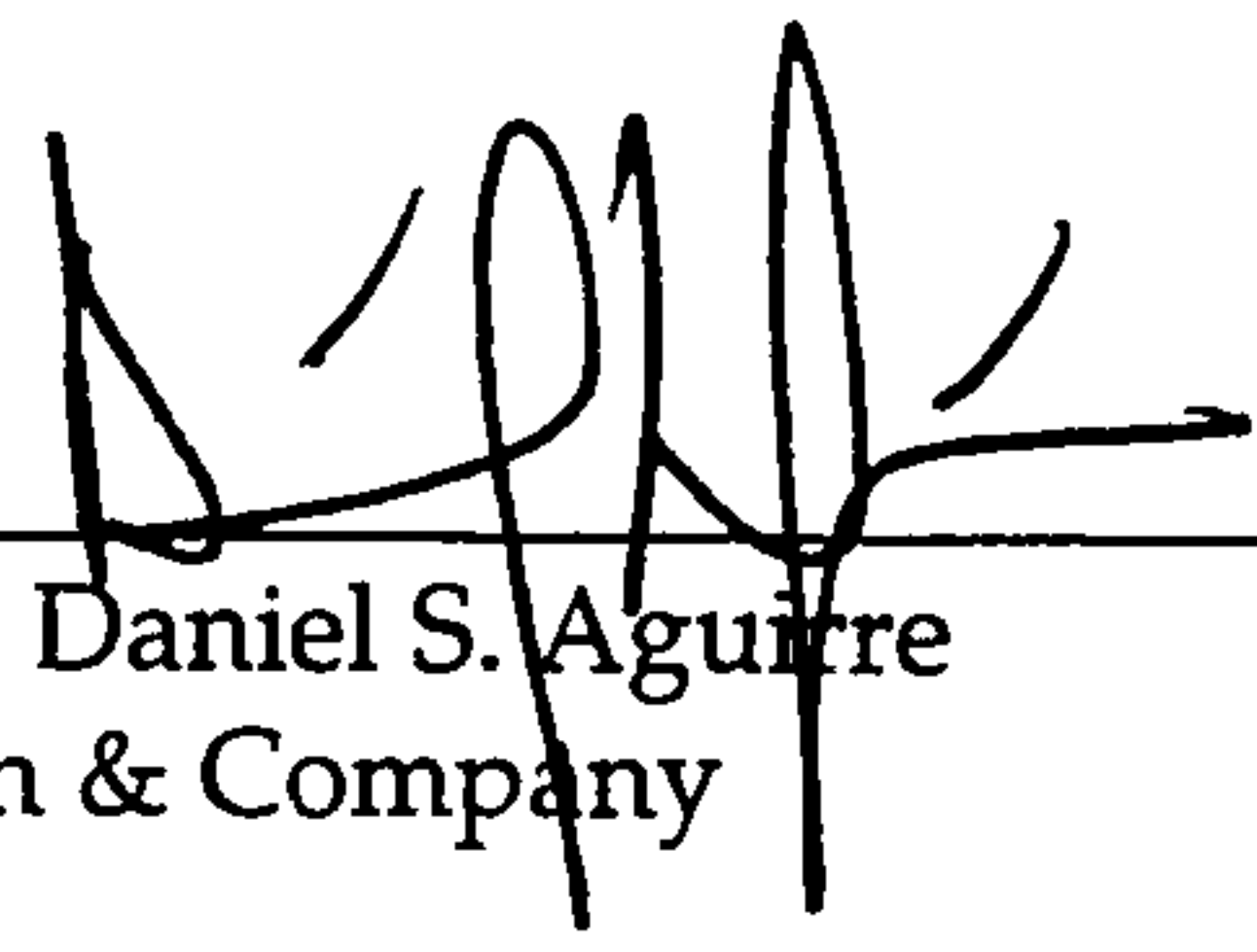
SUBDIVISION IMPROVEMENT AGREEMENT  
 DEVELOPMENT REVIEW BOARD  
 REQUIRED INFRASTRUCTURE LISTING  
 FOR GRACE PLACE

Following is a summary of PUBLIC/PRIVATE Infrastructure required to be constructed or financially guaranteed to be constructed for the above development. This summary is not necessarily a complete listing. During the design process, if the City determines that appurtenant items have not been included in the summary, those items will be included in the listing and related financial guarantee, if the items normally are the Subdivider's responsibility. In addition, any unforeseen items which arise during construction which are necessary to complete the project and which normally are the Subdivider's responsibility are the responsibility of the Subdivider and will be included in the financial guarantee provided to the City.

<u>SIZE</u>	<u>IMPROVEMENT</u>	<u>LOCATION</u>	<u>FROM</u>	<u>TO</u>
<u>PAVEMENT</u>				
<u>Public</u> - City of Albuquerque				
28'	Wide Residential Section with standard curb & gutter, 4' S/W both sides	Gracia Court	Sunningdale Avenue, N.E.	Cul-de-Sac
<u>WATER</u>				
<u>Public</u> - City of Albuquerque				
6"	Waterline	Gracia Court	Sunningdale Avenue, N.E.	Cul-de-Sac
<u>SEWER</u>				
<u>Public</u> - City of Albuquerque				
8"	SAS Line	Gracia Court	Sunningdale Avenue, N.E.	Cul-de-Sac

*Engineer's certification of grading & drainage*

AUG 22 1996

Signed By:   
Print Name: Daniel S. Aguirre  
Firm: Wilson & Company

\*\*\*\*\*Development Review Board Member Approvals\*\*\*\*\*

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Traffic	Date	Parks & Rec.	Date
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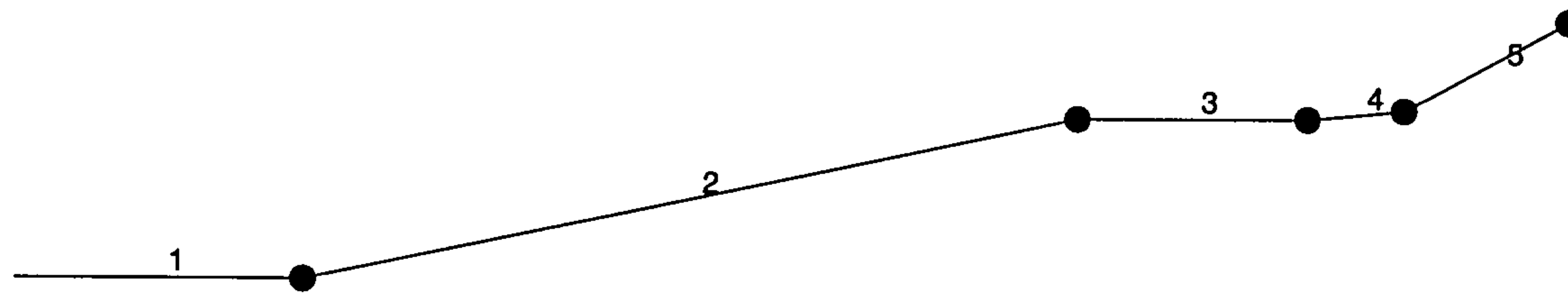
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City Engineer	Date	DRB Chairman	Date
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AMAFCA	Date
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# Plan View



AUG 22 1996



# Storm Sewer Summary Report

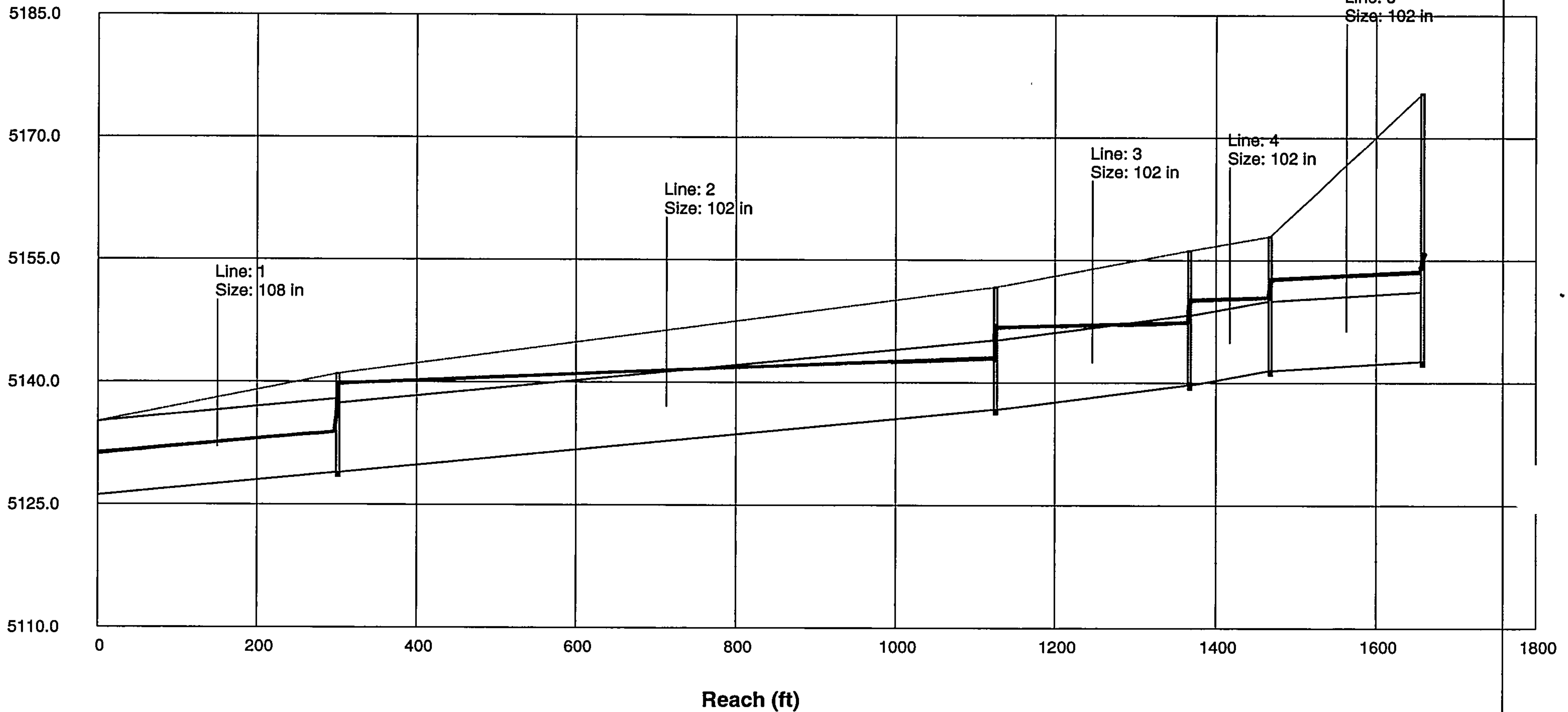
Line No.	Line ID	Flow rate (cfs)	Line size (In)	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line slope (%)	HGL down (ft)	HGL up (ft)	Minor loss (ft)	Dns line No.
1	CORONADO FWY-140	700.00	108 c	301.0	5126.13	5128.93	0.930	5131.10	5133.90	5.87	End
2	INDIAN SCHOOL RD.	700.00	102 c	825.0	5128.93	5136.70	0.942	5139.77	5143.13	3.59	1
3	SUNNINGDALE AVE	700.00	102 c	241.0	5136.70	5139.75	1.265	5146.72	5147.45	2.60	2
4	SUNNINGDALE AVE	700.00	102 c	101.0	5139.75	5141.49	1.723	5150.06*	5150.49*	2.36	3
5	SUNNINGDALE AVE	700.00	102 c	190.0	5141.49	5142.63	0.600	5152.85*	5153.66*	2.36	4
PROJECT FILE: SD.STM			I-D-F FILE: SAMPLE.IDF			TOTAL NO. LINES: 5			RUN DATE: 08-21-1996		
NOTES: c = circular; e = elliptical; b = box; Return period = 5 Yrs.; * Indicates surcharge condition.											

# Storm Sewer Profile

700 cfs

Proj. file: SD.STM

Elev. (ft)



# Storm Sewer Summary Report

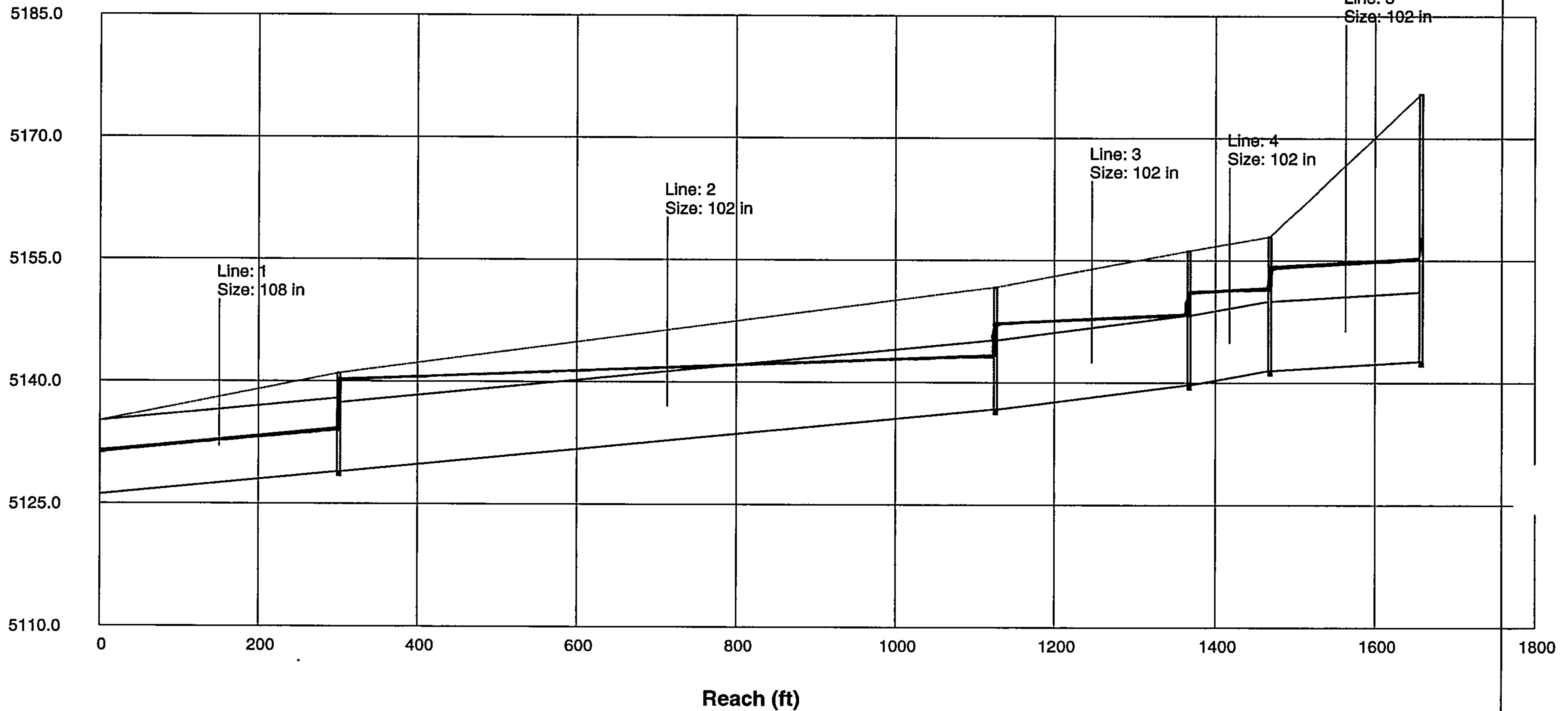
Line No.	Line ID	Flow rate (cfs)	Line size (in)	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line slope (%)	HGL down (ft)	HGL up (ft)	Minor loss (ft)	Dns line No.
1	CORONADO FWY-140	750.00	108 c	301.0	5126.13	5128.93	0.930	5131.32	5134.12	6.05	End
2	INDIAN SCHOOL RD.	750.00	102 c	825.0	5128.93	5136.70	0.942	5140.17	5143.36	3.84	1
3	SUNNINGDALE AVE	750.00	102 c	241.0	5136.70	5139.75	1.265	5147.20*	5148.38*	2.71	2
4	SUNNINGDALE AVE	750.00	102 c	101.0	5139.75	5141.49	1.723	5151.09*	5151.59*	2.71	3
5	SUNNINGDALE AVE	750.00	102 c	190.0	5141.49	5142.63	0.600	5154.30*	5155.23*	2.71	4
PROJECT FILE: SD.STM			I-D-F FILE: SAMPLE.IDF			TOTAL NO. LINES: 5			RUN DATE: 08-21-1996		
NOTES: c = circular; e = elliptical; b = box; Return period = 5 Yrs.; * Indicates surcharge condition.											

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750 cfs

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Elev. (ft)



# Storm Sewer Summary Report

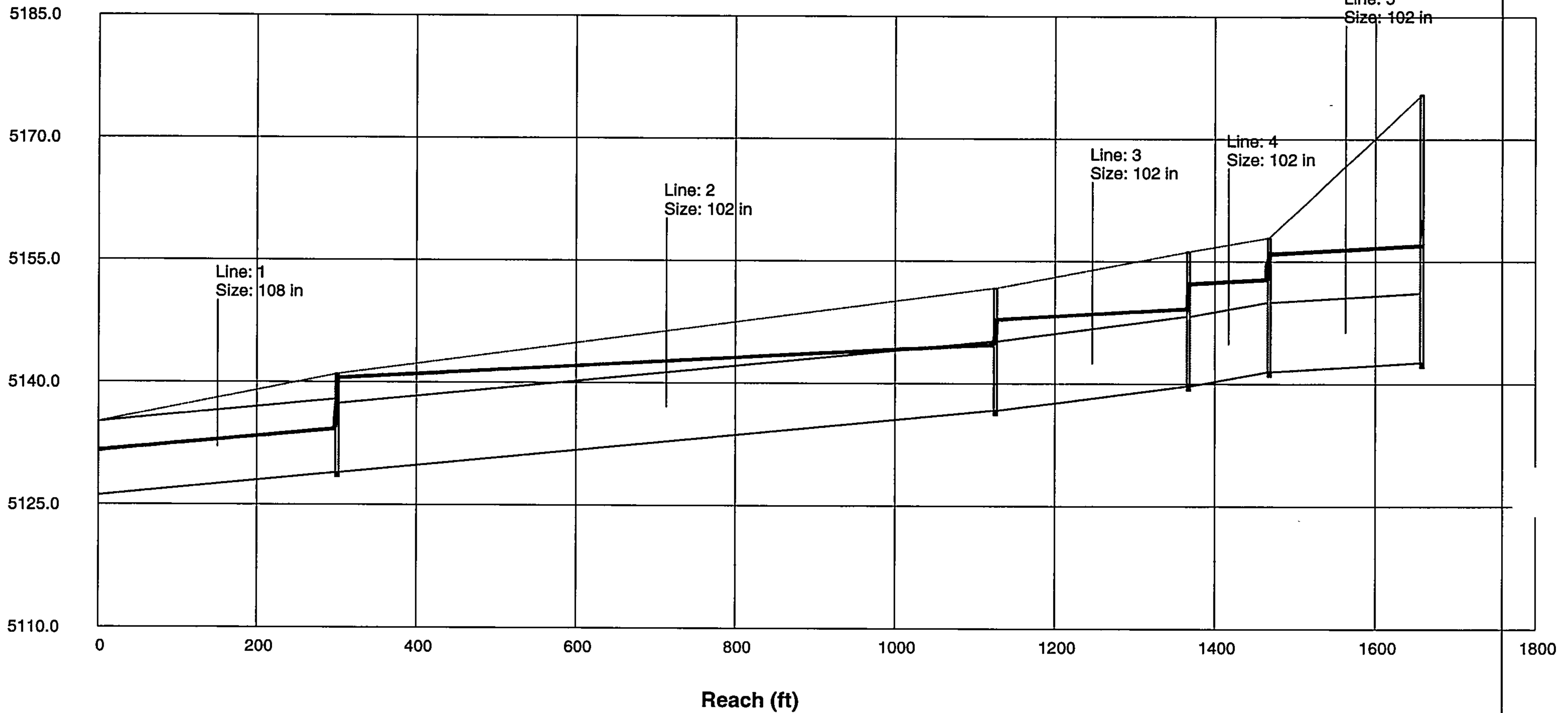
Line No.	Line ID	Flow rate (cfs)	Line size (In)	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line slope (%)	HGL down (ft)	HGL up (ft)	Minor loss (ft)	Dns line No.
1	CORONADO FWY-140	800.00	108 c	301.0	5126.13	5128.93	0.930	5131.54	5134.34	6.22	End
2	INDIAN SCHOOL RD.	800.00	102 c	825.0	5128.93	5136.70	0.942	5140.56	5144.69	3.24	1
3	SUNNINGDALE AVE	800.00	102 c	241.0	5136.70	5139.75	1.265	5147.93*	5149.28*	3.09	2
4	SUNNINGDALE AVE	800.00	102 c	101.0	5139.75	5141.49	1.723	5152.36*	5152.93*	3.09	3
5	SUNNINGDALE AVE	800.00	102 c	190.0	5141.49	5142.63	0.600	5156.01*	5157.07*	3.09	4
PROJECT FILE: SD.STM			I-D-F FILE: SAMPLE.IDF			TOTAL NO. LINES: 5			RUN DATE: 08-21-1996		
NOTES: c = circular; e = elliptical; b = box; Return period = 5 Yrs.; * Indicates surcharge condition.											

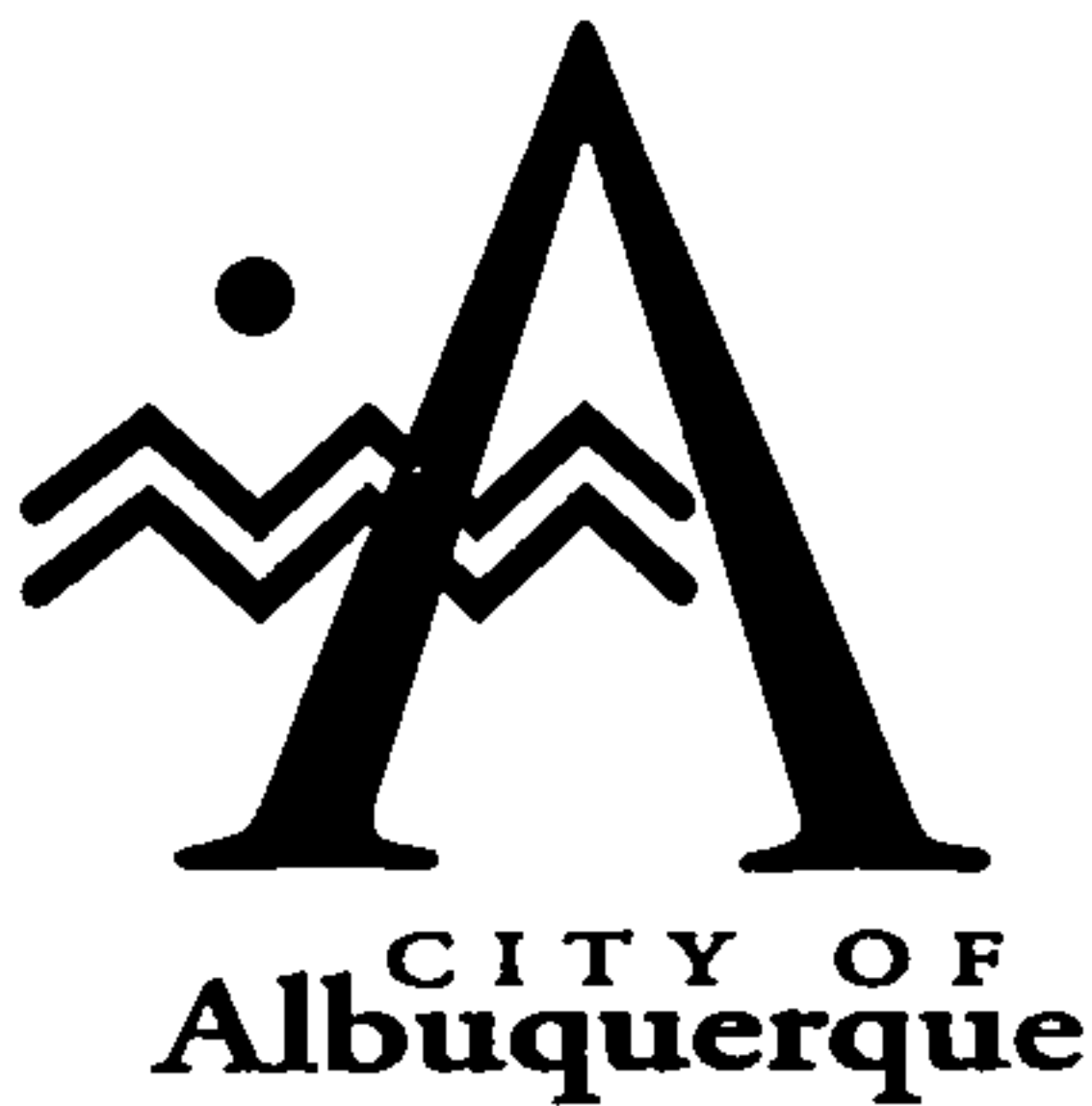
# Storm Sewer Profile

800 cfs

Proj. file: SD.STM

Elev. (ft)





P.O. Box 1293 Albuquerque, NM 87103

August 7, 1996

Martin J. Chávez, Mayor

Dan Aguirre, PE  
Wilson & Company  
4775 Indian School Rd.. NE #200  
Albuquerque, NM 87109

RE: GRADING & DRAINAGE PLAN FOR SUNNINGDALE LOT SPLIT (J-17/D24)  
RECEIVED JULY 16, 1996 FOR GRADING & BUILDING PERMIT  
ENGINEER'S STAMP DATED 7-15-96

Dear Mr. Aguirre:

Based on the information included in the submittal referenced above, City Hydrology has the following comments that must be addressed:

Submittal should be for Preliminary Plat instead of Building Permit. What is the DRB number. Include a copy of the proposed infrastructure list with the resubmittal. Indicate the lot number on the Plan. Grading in the Indian School right of way must be coordinated with the revision of the bridge by Holmes & Narver. How was the downstream capacity determined? What is the back water effect of the bridge?

What is the purpose of the 10' private drainage easement & the inline drains? If it is for cross lot drainage, it must include a concrete lined channel. City Hydrology suggest that curb drains be used on Coe Drive instead.

If you have any questions about this project, You may contact me at 768-2727.

Sincerely,

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

c: Andrew Garcia  
Fred Aguirre, DRB ???  
Nina Coe, 4307 Sunningdale NE 87110

Good for You, Albuquerque!



DRAINAGE INFORMATION SHEET

PROJECT TITLE: Sunningdale Lot Split ZONE ATLAS/DRNG. FILE #: J-17 / 1024

DRB #: ? EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: Lot 101, Block D, Neats Park Addition

CITY ADDRESS: Sunningdale/Coe Avenue

ENGINEERING FIRM: Wilson & Company

CONTACT: Dan Aguirre

ADDRESS: 4775 Indian School Rd, NE, #200

PHONE: (505) 254-4007

OWNER: Nina Coe

CONTACT: Nina Coe

ADDRESS: 4307 Sunningdale NE

PHONE: (505) 266-6579

ARCHITECT: C.P. Dodgen & Associates

CONTACT: Chuck Dodgen

ADDRESS: 5129 Northern Trail NW

PHONE: (505) 836-1015

SURVEYOR: \_\_\_\_\_

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

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

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

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

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

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

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

TYPE OF SUBMITTAL:

- DRAINAGE REPORT
- DRAINAGE PLAN
- CONCEPTUAL GRADING & DRAINAGE PLAN
- GRADING PLAN
- EROSION CONTROL PLAN
- ENGINEER'S CERTIFICATION
- OTHER \_\_\_\_\_

CHECK TYPE OF APPROVAL SOUGHT:

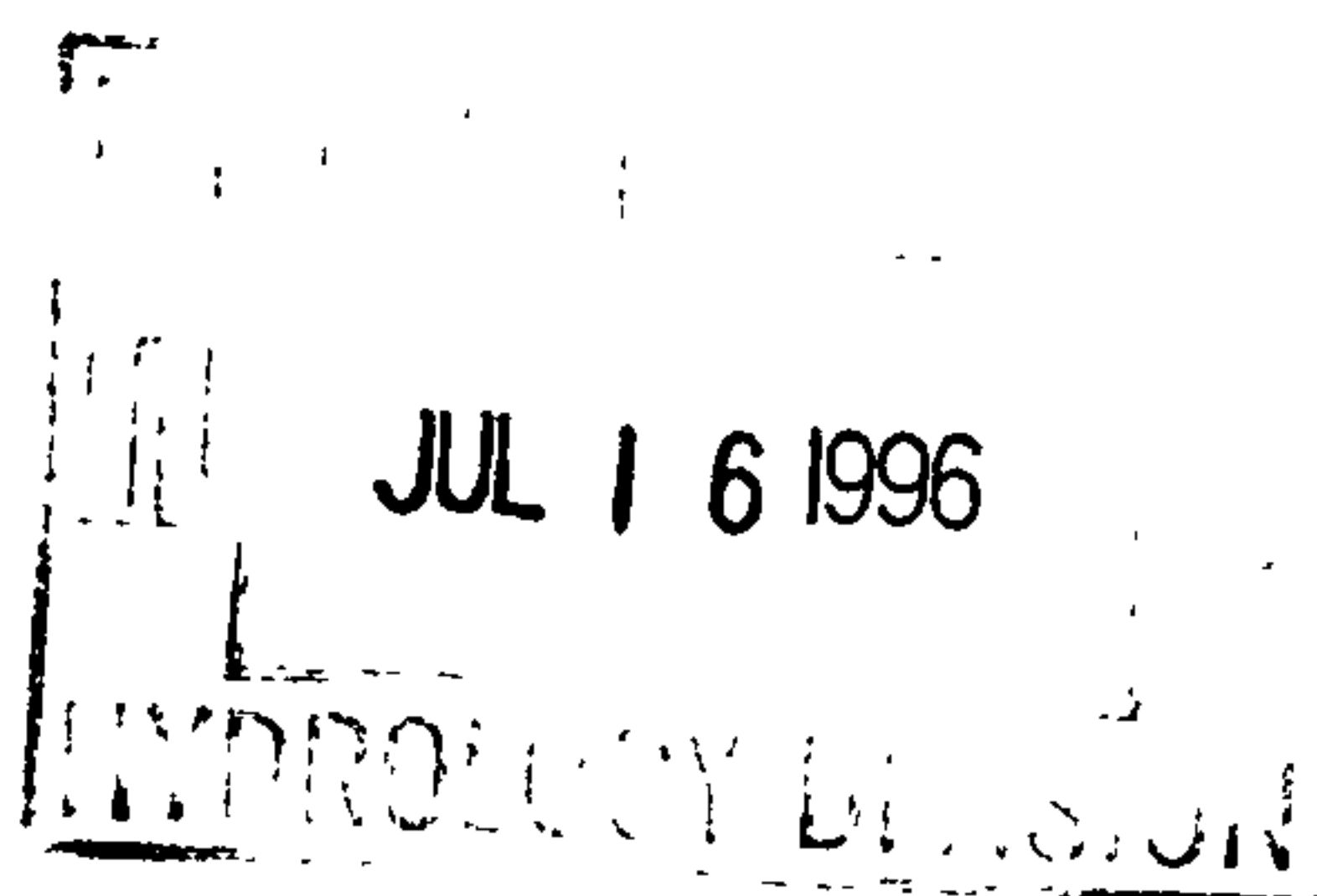
- SKETCH PLAT APPROVAL
- PRELIMINARY PLAT APPROVAL
- S. DEV. PLAN FOR SUB'D. APPROVAL
- S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- SECTOR PLAN APPROVAL
- FINAL PLAT APPROVAL
- FOUNDATION PERMIT APPROVAL
- BUILDING PERMIT APPROVAL
- CERTIFICATE OF OCCUPANCY APPROVAL
- GRADING PERMIT APPROVAL
- PAVING PERMIT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

PRE-DESIGN MEETING:

- YES
- NO
- COPY PROVIDED

DATE SUBMITTED: 7/15/96

BY: [Signature]





CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
UTILITY DEVELOPMENT DIVISION/HYDROLOGY SECTION

PRE-DESIGN CONFERENCE

DRAINAGE FILE/ZONE ATLAS PAGE NO.: J-17 DATE: 6-13-96

EPC NO.: \_\_\_\_\_ DRB NO.: \_\_\_\_\_ ZONE: \_\_\_\_\_

SUBJECT: Sunningdale Lot split

STREET ADDRESS: \_\_\_\_\_

LEGAL DESCRIPTION: Lot 101, Blk D, Neats Park Addn

APPROVAL REQUESTED:  PRELIMINARY PLAT  FINAL PLAT  
 SITE DEVELOPMENT PLAN  BUILDING PERMIT  
 GRADING/PAVING PERMIT  OTHER

ATTENDANCE: 

WHO	REPRESENTING
<u>Dan Aguirre</u>	<u>Wilson</u>
<u>Bridget Stagner</u>	<u>"</u>
<u>John Curtin</u>	<u>C.O.A./P.W.D./Hyd</u>

FINDINGS: Verify size of Sunningdale Storm Drain.  
Check Downstream Capacity.

FRM Panel 29 indicates FHZ AØ depth  
in Sunningdale @ Indian School.

Loren Mainz is Hydrology Manager for  
Indian School Bridge Project by Holmes  
& Narver. Art Kelly is Transportation Manager

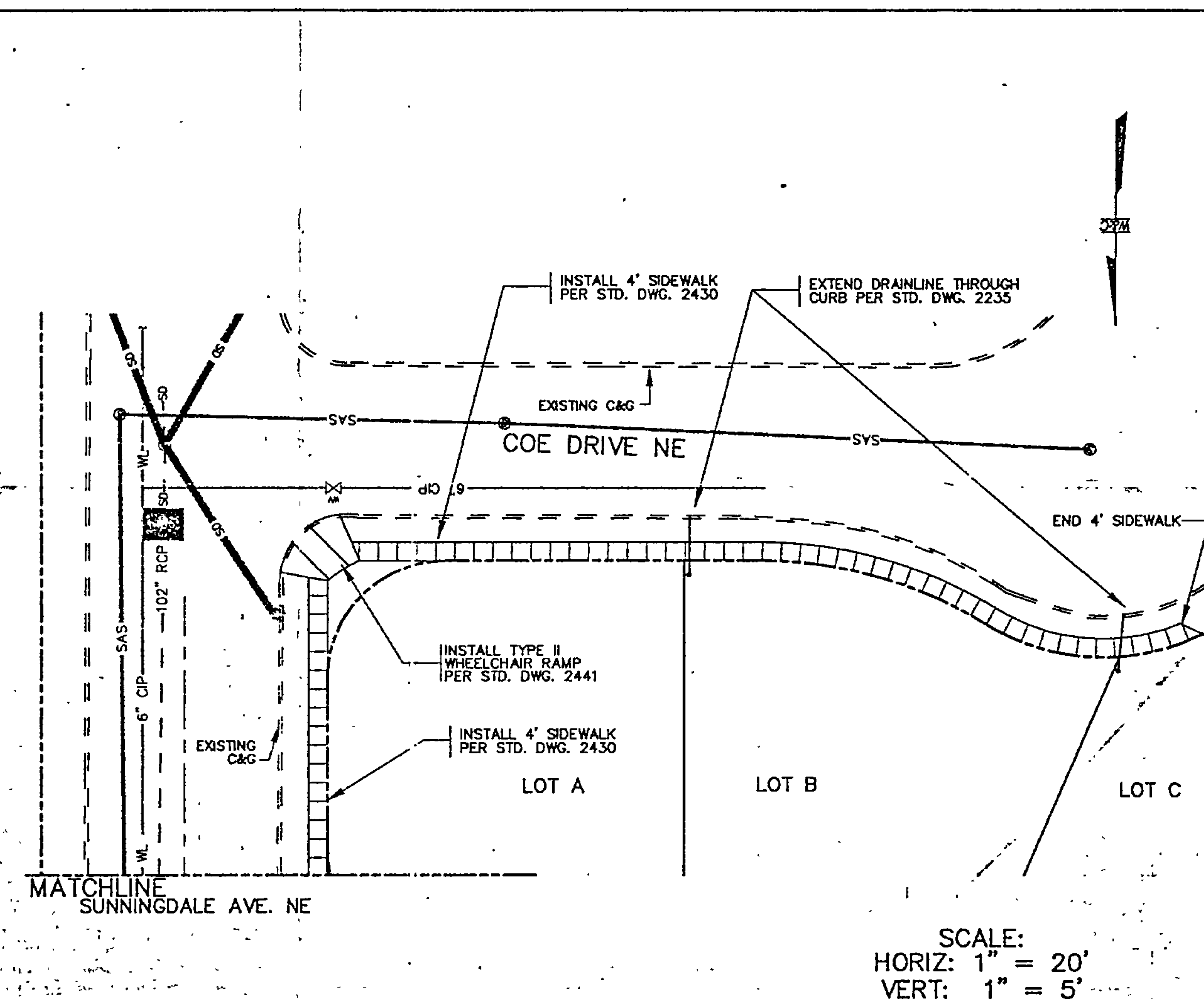
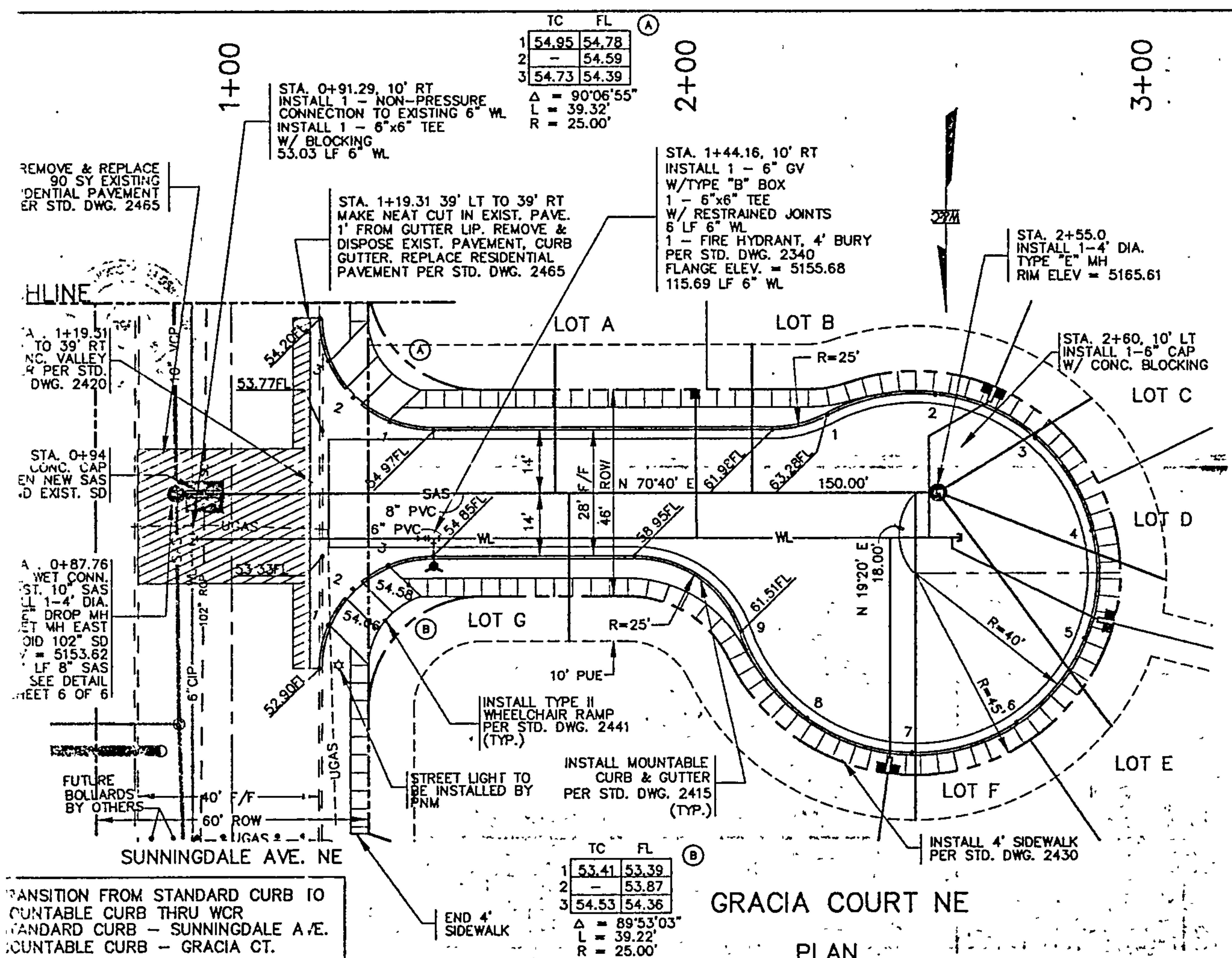
Keep Houses high. Bridge causes  
backwater.

Coordinate Floodplain issues with  
Susan Calogne.

The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

SIGNED: [Signature] SIGNED: [Signature]  
TITLE: CE/Hydrology TITLE: Senior Asst  
DATE: 6-13-96 DATE: 6-13-96

\*\*NOTE\*\* PLEASE PROVIDE A COPY OF THIS PRE-DESIGN FORM WITH THE DRAINAGE SUBMITTAL.



CUL-DE-SAC TABLE

PT	TC	STATION & OFFSET	DELTA
1	63.61	2+30.77, 17.08' LT	35°01'26"
2	66.19	2+54.39, 39.76' LT	35°01'26"
3	68.28	2+76.39, 30.06' LT	35°01'26"
4	69.46	2+88.85, 9.50' LT	35°01'26"
5	69.31	2+87.28, 14.49' RT	35°01'26"
6	67.88	2+72.24, 33.24' RT	35°01'26"
7	65.36	2+49.17, 57.99' RT	35°01'26"
8	63.20	2+26.39, 50.29' RT	35°01'26"
9	61.84	2+12.15, 30.92' RT	35°01'26"

R = 40.00' L = 24.42' (BETWEEN PNTS)  
RADIUS PT. = STA. 2+50, 18.00' RT

NOTE: TC ELEVATIONS CALCULATED FROM RADIAL STATIONS, NOT STATIONS LISTED ABOVE.

WATER SERVICE TABLE

WATER SERVICE TABLE (3/4") PER STD. DWG. 2362

STATION	LENGTH LF	TYPE	REMARKS
2+01.93 10' RT	31.00	SINGLE	
2+44.43 10' RT	50.00	DOUBLE	
2+53.00 10' RT	38.00	DOUBLE	
2+58.00 10' RT	39.00	DOUBLE	

SANITARY SEWER SERVICE TABLE

SANITARY SEWER SERVICE TABLE 8" LINE PER STD. DWG. 2125/2136

STATION	LENGTH LF	INV. ●	REMARKS
1+71.18 LT	33	54.5	W/1.5' RISER
1+74.18 RT	33	54.7	W/1.5' RISER
2+14.35 LT	33	58.2	W/2.0' RISER
2+50 RT	73	60.2	W/2.5' RISER
2+55 NW	65	64.2	RADIAL FR. MH
2+55 SW	54	64.2	RADIAL FR. MH
2+55 SW	40	63.2	RADIAL FR. MH

STATION	INVERT	PLUG	REMARKS
1+00	5155.03		
1+40	5154.88		
1+80	5154.41		
2+20	5153.44		
2+60	5152.22		
3+00	5150.44		

AS-BUILT INFORMATION

BENCH MARKS

SURVEY INFORMATION

ENGINEER'S SEAL

REVISIONS

DESIGNED BY: D.S.A. DATE: JULY 96

DRAWN BY: V.K.L. DATE: JULY 96

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP

GRACE PLACE SUBDIVISION PLAN & PROFILE GRACIA COURT NE

Design Review Committee City Engineer Approval

City Project No. 5558.81 Zone Map No. J-17

Sheet 5 of 6