

CITY OF ALBUQUERQUE



June 5, 2006

Mr. Mark Goodwin, PE
MARK GOODWIN & ASSOCIATES
P.O. Box 90606
Albuquerque, NM 87199

RE: SYDNEY PLACE SUBDIVISION (G-13/D24)
Engineers Certification for Release of Financial Guaranty
Engineers Stamp dated 11/03/2004
Engineers Certification dated 05/25/2006

Dear Mark:

Based upon the information provided in your Engineer's Certification Submittal dated 06/01/2006, the above referenced plan is adequate to satisfy the Grading and Drainage Certification for Release of Financial Guaranty.

If you have any questions, you can contact me at 924-3982

Sincerely,

Arlene V. Portillo
Plan Checker, Planning Dept.- Hydrology
Development and Building Services

C: Marilyn Maldonado, COA# 759181
File

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

G-13/D24

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Sydney Place Subdivision

DRB #: 1003522

EPC#: _____

ZONE MAP/DRG. FILE #: G-13-Z

WORK ORDER#: 759181

LEGAL DESCRIPTION: Tr 89, MRGCD Map 34; Tr 82, Lands of Jane Batten; L6, Estate of Emiliano N.

CITY ADDRESS: _____

ENGINEERING FIRM: Mark Goodwin & Associates, PA

ADDRESS: PO Box 90606

CITY, STATE: Albuquerque, NM

CONTACT: Mark Goodwin

PHONE: 828-2200

ZIP CODE: 87199

OWNER: Alpha Equities, LLC

ADDRESS: PO Box 1005

CITY, STATE: Albuquerque, NM

CONTACT: Scott Ashcraft

PHONE: 922-9411

ZIP CODE: 87184

ARCHITECT: _____

ADDRESS: _____

CITY, STATE: _____

CONTACT: _____

PHONE: _____

ZIP CODE: _____

SURVEYOR: Cartesian Surveys

ADDRESS: PO Box 44414

CITY, STATE: Albuquerque, NM

CONTACT: Will Plotner

PHONE: 896-3050

ZIP CODE: 87174

CONTRACTOR: Hydro-Systems, Inc.

ADDRESS: 6151 Hanover Rd NW

CITY, STATE: Albuquerque, NM

CONTACT: Mike Smith

PHONE: 839-1000

ZIP CODE: 87121

CHECK TYPE OF SUBMITTAL:

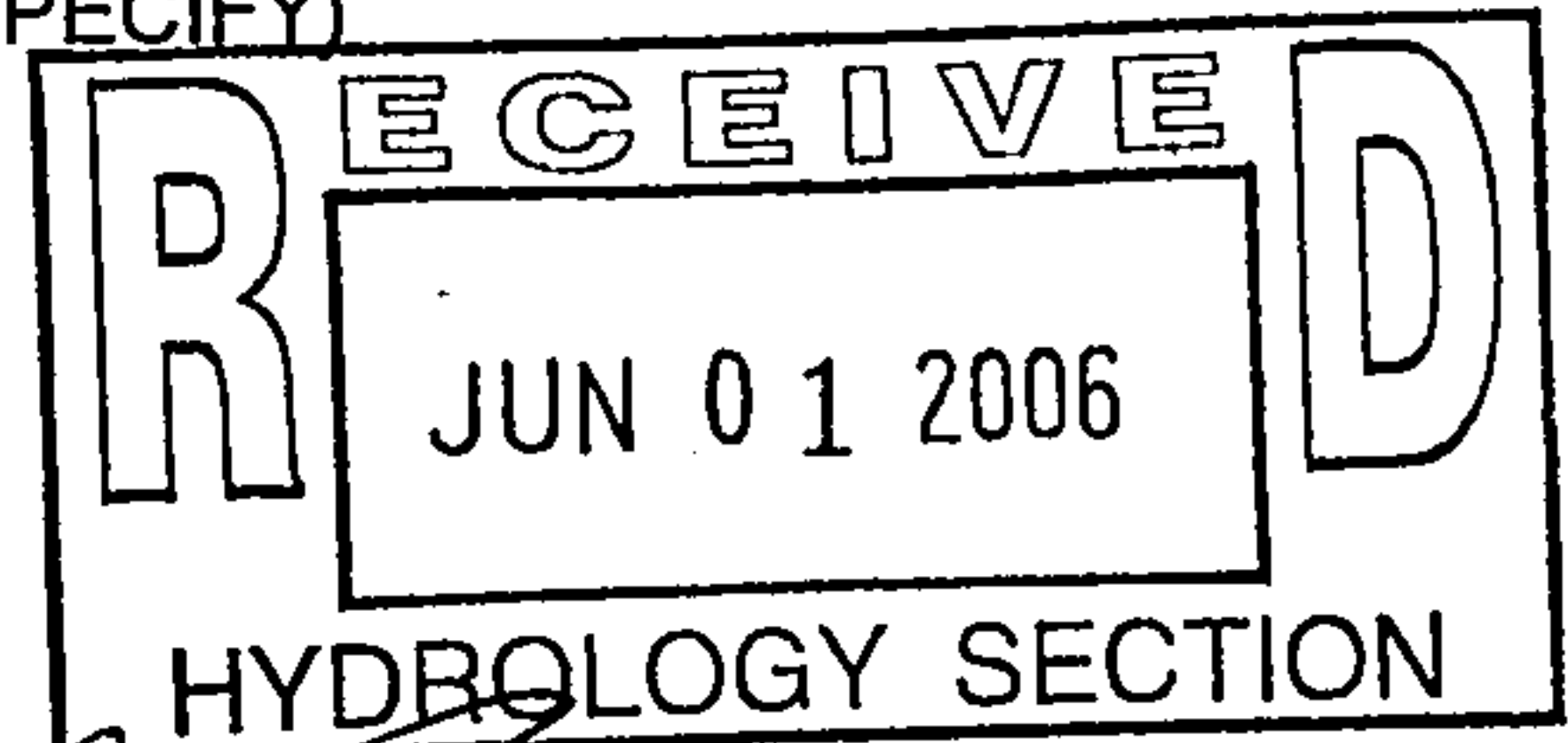
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1st SUBMITTAL, **REQUIRES TCL or equal**
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☒ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEERS CERTIFICATION (TCL)
- ☐ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ☐ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

- ☒ SIA / FINANCIAL GUARANTEE RELEASE
- ☐ 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 (PERM.)
- ☐ CERTIFICATE OF OCCUPANCY (TEMP.)
- ☐ GRADING PERMIT APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ WORK ORDER APPROVAL
- ☐ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☒ YES
- ☐ NO
- ☐ COPY PROVIDED



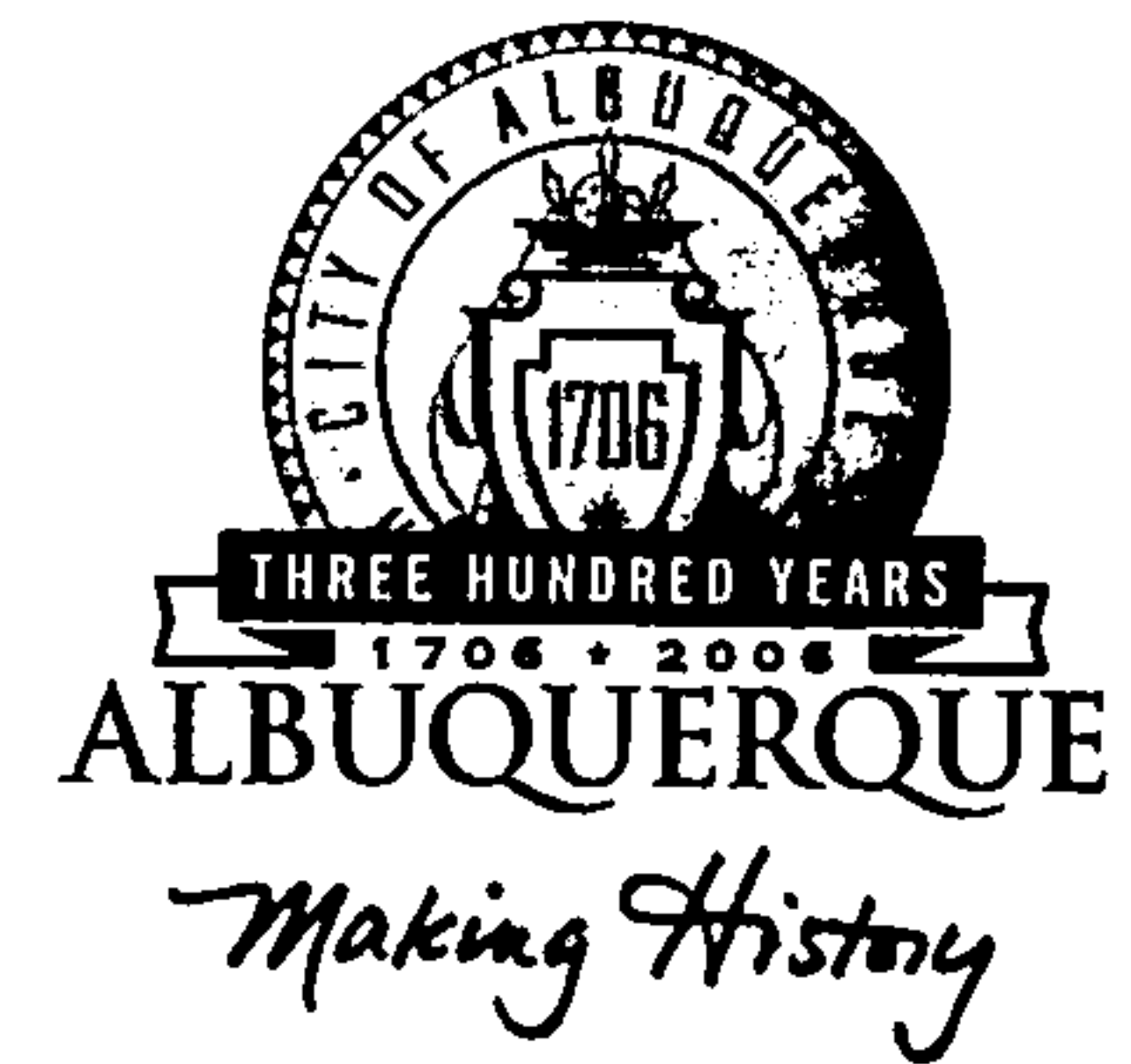
DATE SUBMITTED: 6/01/2006

BY: Mark Goodwin

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report:** Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

CITY OF ALBUQUERQUE



December 17, 2004

Greg Krenik, PE
Mark Goodwin & Associates
P.O. Box 90606,
Albuquerque, NM 87199

Re: Sydney Place Subdivision Drainage Report
Engineer's Stamp dated 11-3-04, (G13/D24)

Dear Mr. Krenik,

P.O. Box 1293

Based upon the information provided in your submittal dated 11-3-04, the above referenced report is approved for Preliminary Plat action by the DRB. Once that board approves the plan, please submit a mylar copy for my signature in order to obtain a Rough Grading Permit.

Albuquerque

This project requires a National Pollutant Discharge Elimination System (NPDES) permit. Refer to the attachment that is provided with this letter for details. If you have any questions please feel free to call the Municipal Development Department, Hydrology section at 768-3654 (Charles Caruso).

New Mexico 87103

If you have any questions, please contact me at 924-3986.

www.cabq.gov

Sincerely,

Bradley L. Bingham, PE
Principal Engineer, Planning Dept
Development and Building Services

C: Chuck Caruso, DMD
file

DRAINAGE INFORMATION SHEET
(REV. 1/28/2003rd)

G-13/D024

PROJECT TITLE:	<u>Sydney Place Subdivision</u>	ZONE MAP/DRG #:	<u>G-13-Z</u>
DRB#:	EPC #:	W.O.#:	
LEGAL DESCRIPTION: <u>Tract 89, MRGCD Map# 34; Tract 82, Lands of Jane Batten; Lot 6, Estate of Emiliano N. Gutierrez</u>			
CITY ADDRESS:			
ENGINEERING FIRM:	<u>Mark Goodwin & Associates, PA</u>	CONTACT:	<u>Gregory J. Krenik, PE</u>
ADDRESS:	<u>PO Box 90606</u>	PHONE:	<u>828-2200</u>
CITY, STATE:	<u>Albuquerque, NM</u>	ZIP CODE:	<u>87199</u>
OWNER:	<u>Alpha Equities, LLC</u>	CONTACT:	<u>Scott Aschcraft</u>
ADDRESS:	<u>PO Box 1005</u>	PHONE:	<u>922-9411</u>
CITY, STATE:	<u>Albuquerque, NM</u>	ZIP CODE:	<u>87184</u>
ARCHITECT:		CONTACT:	
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	
SURVEYOR:	<u>Aldrich Land Surveying</u>	CONTACT:	<u>Tim Aldrich</u>
ADDRESS:	<u>P.O. Box 30701</u>	PHONE:	<u>884-1990</u>
CITY, STATE:	<u>Albuquerque, NM</u>	ZIP CODE:	<u>87190-0701</u>
CONTRACTOR:		CONTACT:	
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	

CHECK TYPE OF SUBMITTAL:

- | | |
|-------------------------------------|--|
| ☒ | DRAINAGE REPORT |
| ☒ | DRAINAGE PLAN 1 ST SUBMITTAL, req. TCL or equal |
| ☐ | DRAINAGE PLAN RESUBMITTAL |
| ☐ | CONCEPTUAL GRADING & DRAINAGE PLAN |
| ☒ | GRADING PLAN |
| ☐ | EROSION CONTROL PLAN |
| ☐ | ENGINEER'S CERTIFICATION (HYDROLOGY) |
| ☐ | CLOMR/LOMR |
| ☐ | TRAFFIC CIRCULATION LAYOUT (TCL) |
| ☐ | ENGINEER'S CERTIFICATION (TCL) |
| ☐ | ENGINEER'S CERTIFICATION (DRB APPR. SITE PLAN) |
| ☐ | OTHER |

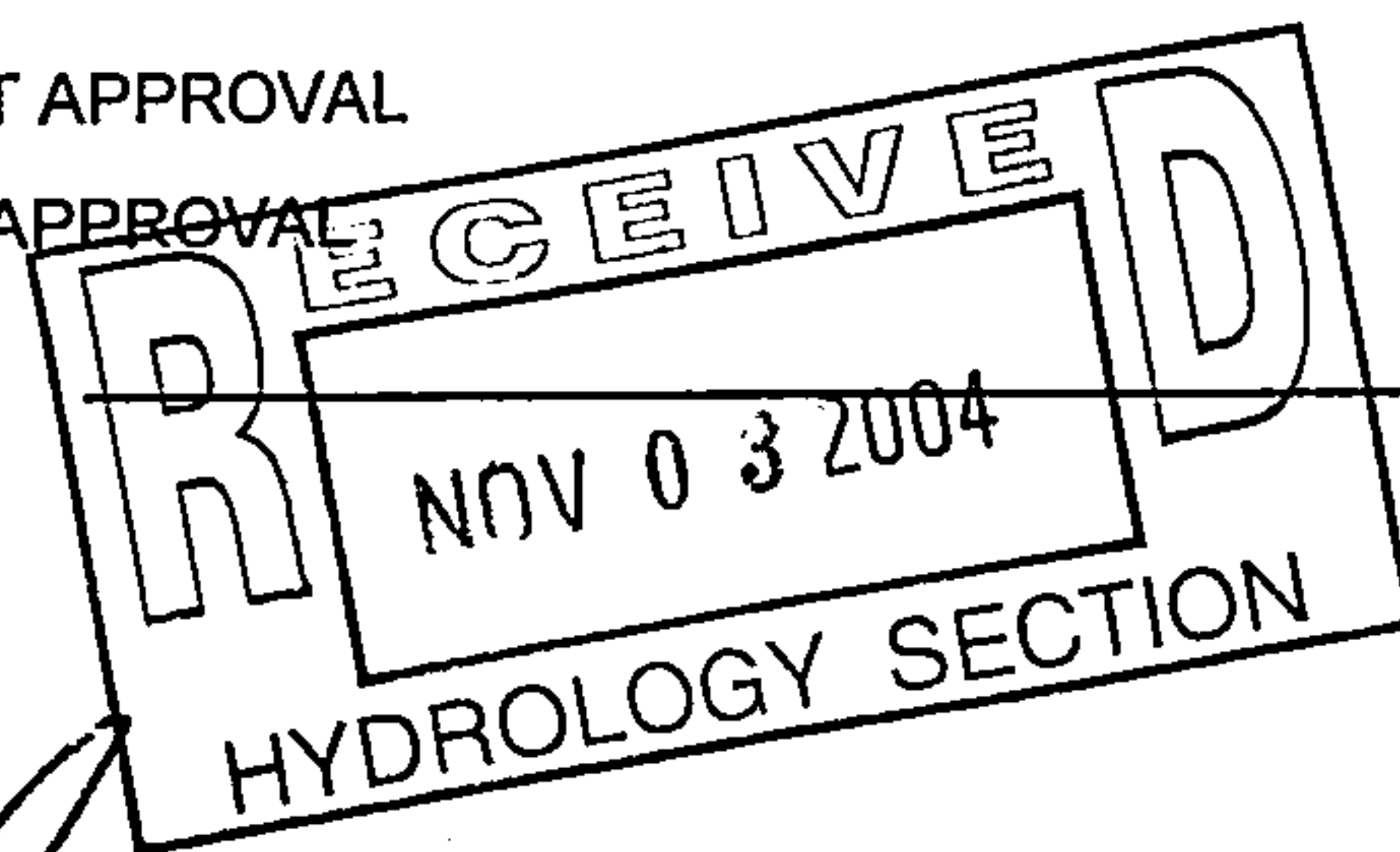
WAS A PRE-DESIGN CONFERENCE ATTENDED?

- | | |
|-------------------------------------|---------------|
| ☒ | YES |
| ☐ | NO |
| ☐ | COPY PROVIDED |

DATE SUBMITTED: November 3, 2004

CHECK TYPE OF APPROVAL SOUGHT:

- | | |
|-------------------------------------|--|
| ☐ | SIA / FINANCIAL GUARANTEE RELEASE |
| ☒ | 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 (PERM) |
| ☐ | CERTIFICATE OF OCCUPANCY (TEMP) |
| ☒ | GRADING PERMIT APPROVAL |
| ☐ | PAVING PERMIT APPROVAL |
| ☐ | WORK ORDER APPROVAL |
| ☐ | OTHER (specify) |

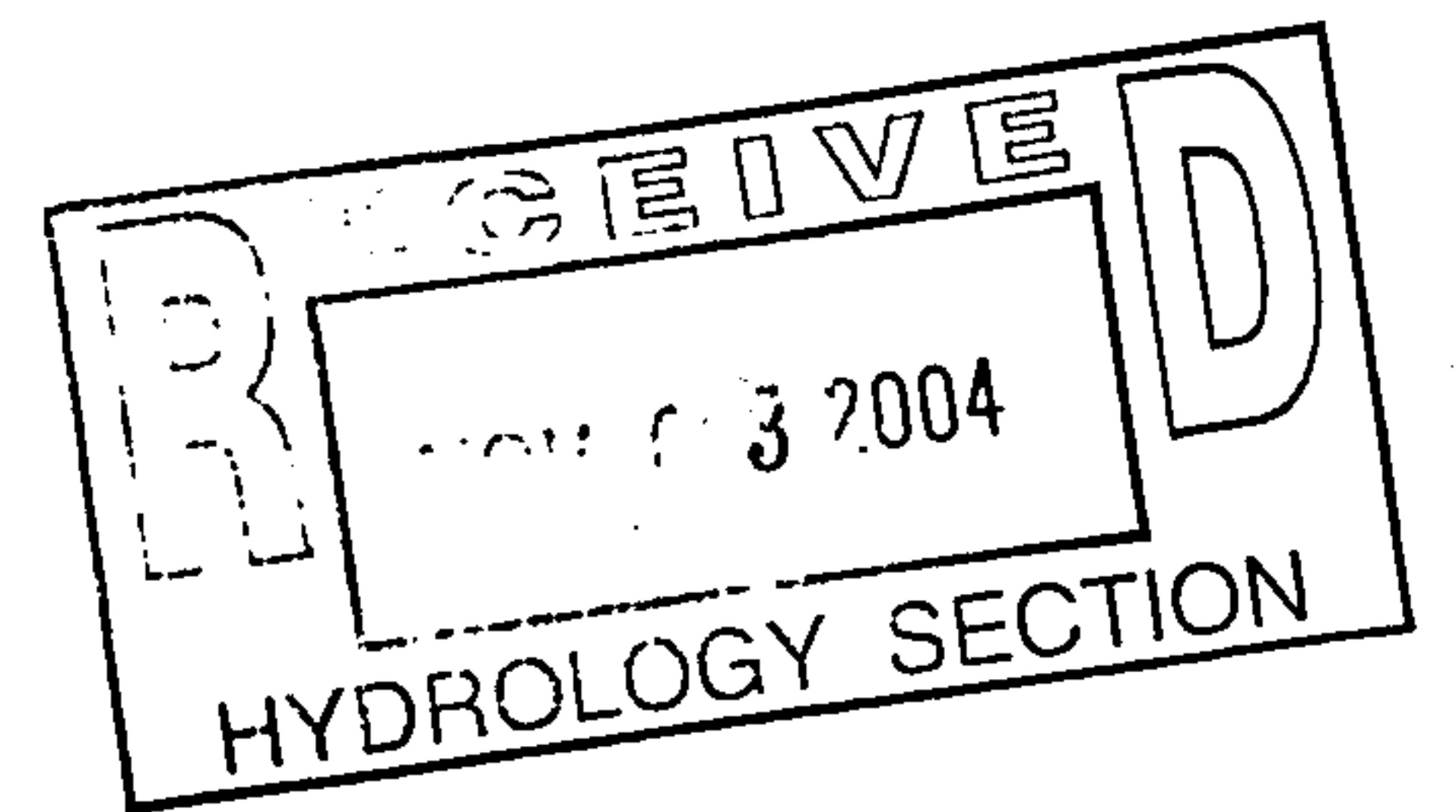


BY:

GREGORY J. KRENIK

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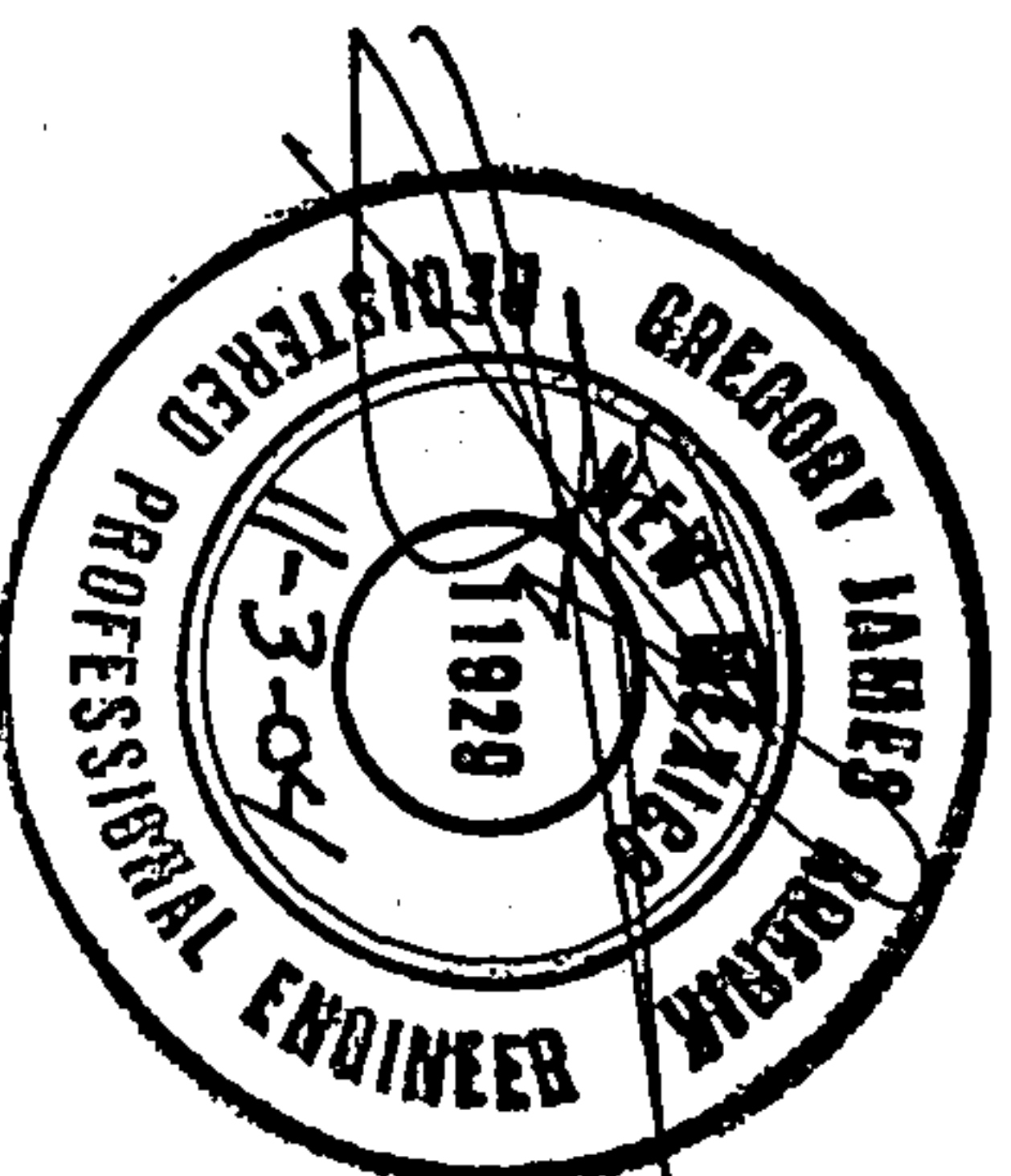
MARK GOODWIN

& ASSOCIATES
CONSULTING ENGINEERS

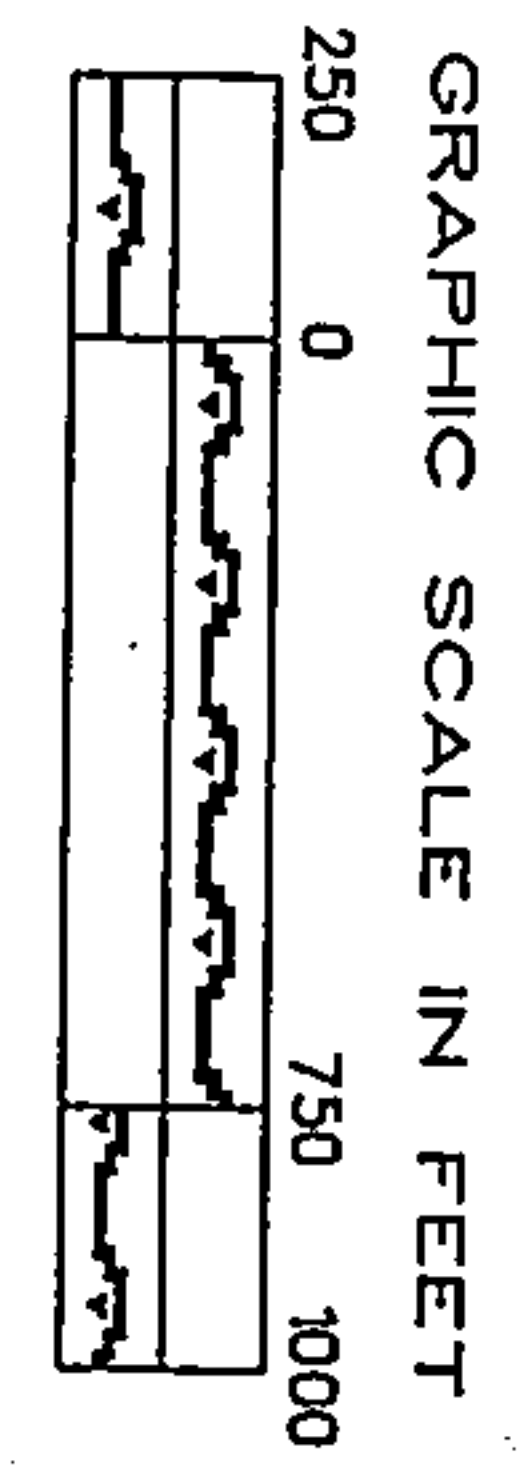
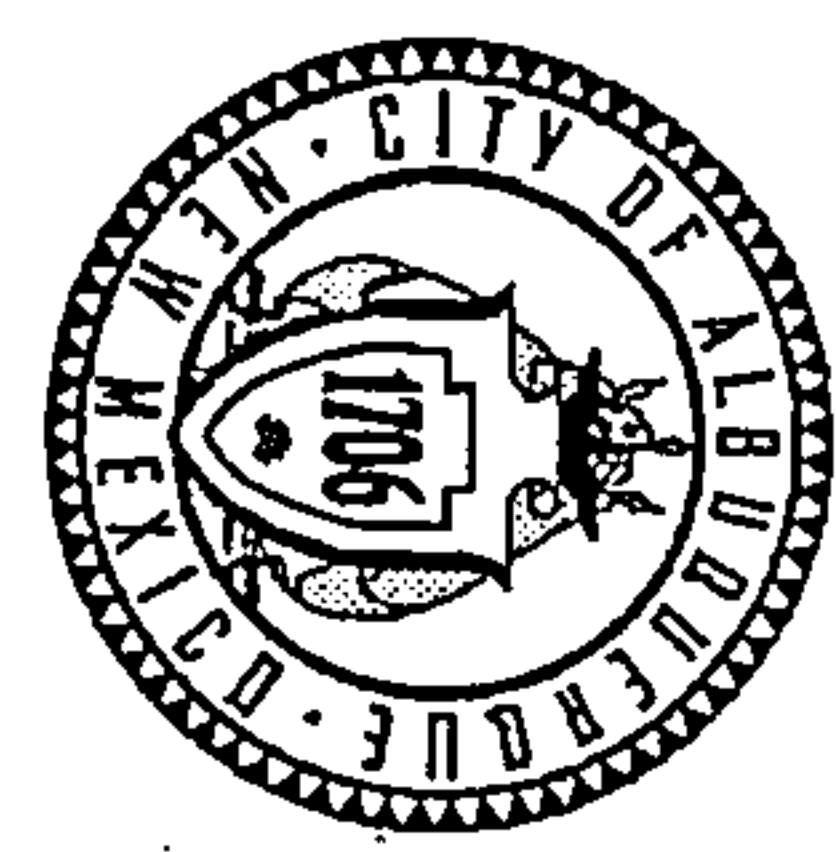
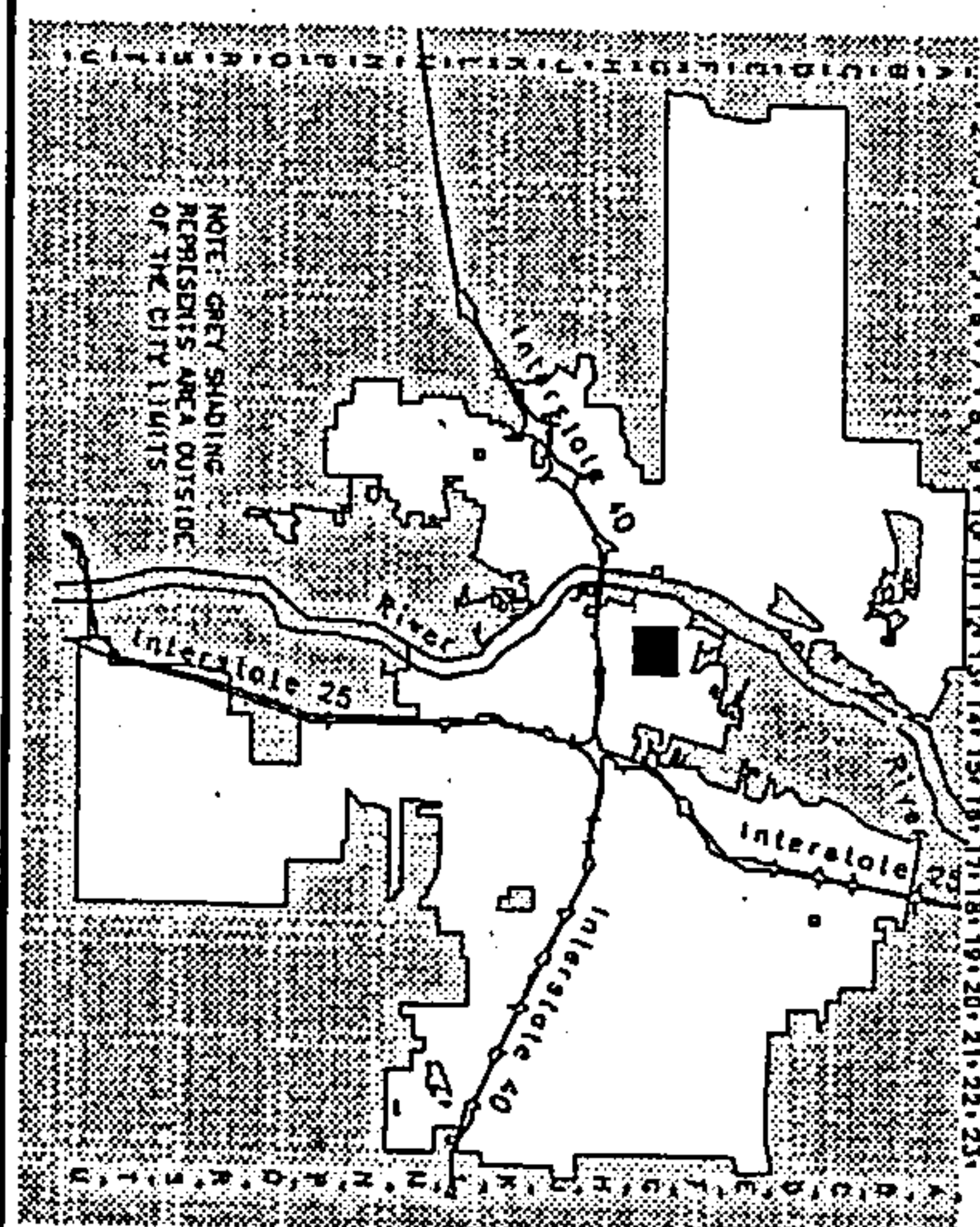
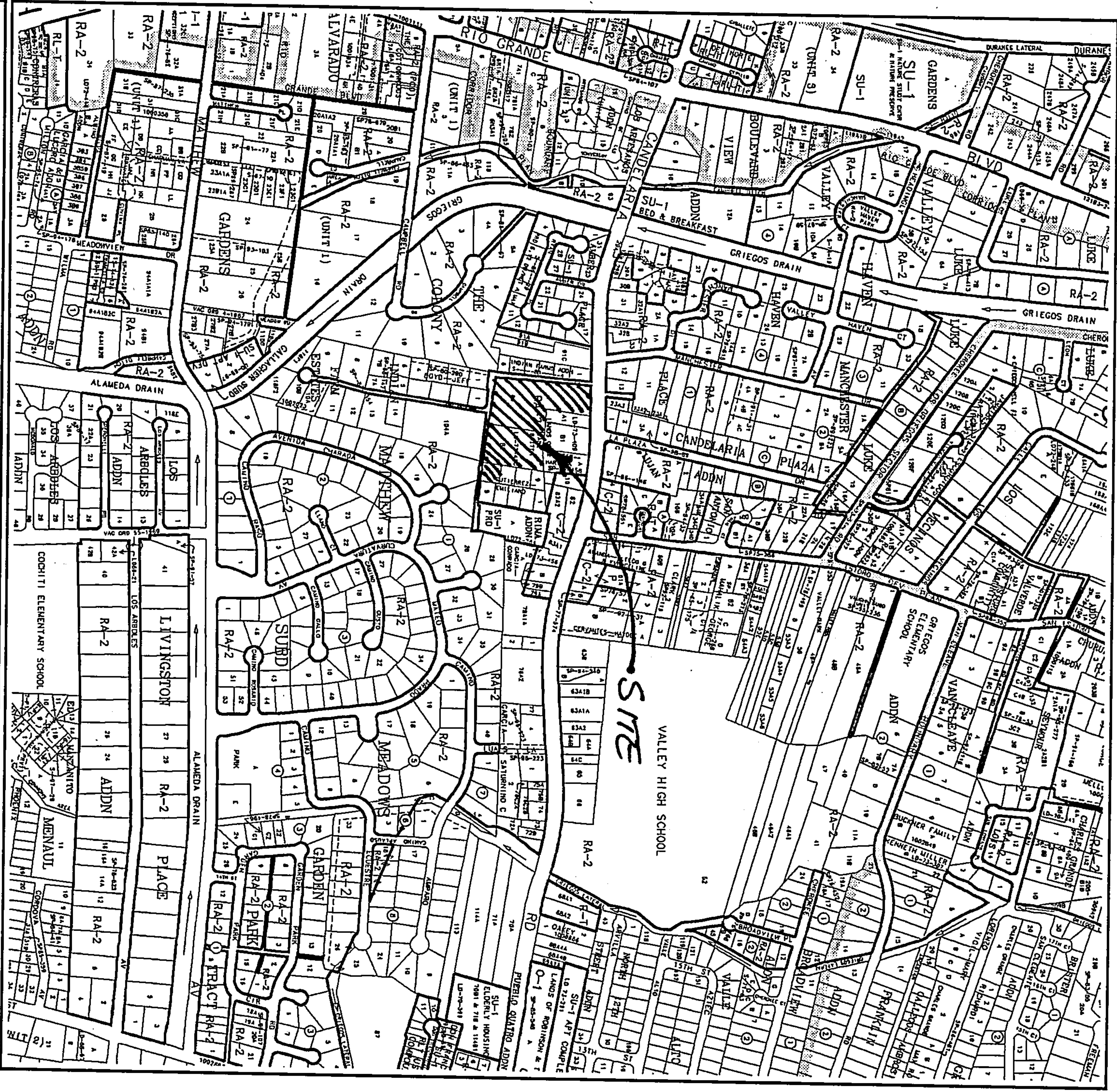
dmg

DRAINAGE REPORT
for
SYDNEY PLACE

NOVEMBER 2004



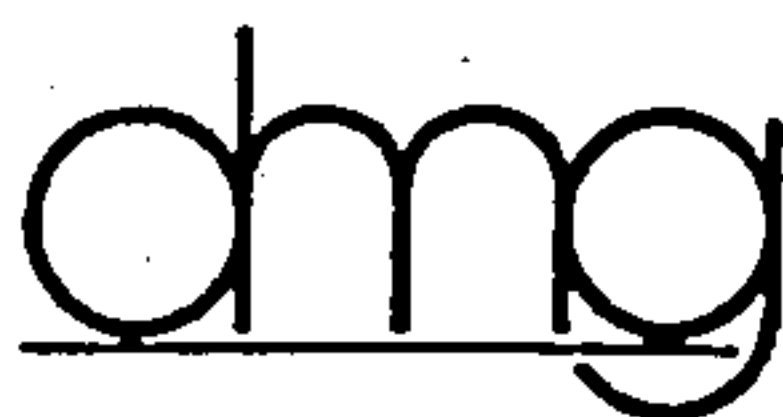
D. MARK GOODWIN & ASSOCIATES



Zone Atlas Page

G-13-Z
 Planning Department
 Copyright 2003

Map Amended through November 01, 2003



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

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

PROJECT SYDNEY PLACE
SUBJECT DRAINAGE CALCS
BY GSK DATE 11-1-04
CHECKED _____ DATE _____
SHEET 1 OF _____

- SITE IS LOCATED AT THE SE CORNER OF CANDELARIA RD NW AND INDIAN FARM LANE NW. CONTAINING 4.3758 AC
- 0.2138 AC ARE TO BE DEDICATED AROUND THE PERIMETER TO THE COA FOR ROAD WIDENING.
- INTERIOR STREETS ARE PRIVATE.
- SITE TO DISCHARGE TO EXISTING STORM DRAIN IN CANDELARIA.
- SITE IS NOT IN A 100 YR FLOOD ZONE. MAP# 35001C0331D
- NO OFFSITE FLOWS ENTER THIS SITE.

- FIND RUNOFF OF LOTS + ROW

$$\begin{aligned}\text{AREA OF LOTS} &= 4.3758 - 0.2138 (\text{DEDICATION}) - 0.3360 (\text{OPEN SPACE NORTH}) \\ &\quad - 0.9144 (\text{OPEN SPACE SOUTH}) - 0.6623 (\text{ROW}) \\ &= 2.2493 \text{ AC}\end{aligned}$$

$$\begin{aligned}\text{PADS} \quad 5 \times 67 \times 35 &= 11,725 \\ 10 \times 75 \times 35 &= 26,250 \\ 1 \times 75 \times 79 &= 5,925 \\ 1 \times 75 \times 72 &= 5,400 \\ \hline &49,300 \text{ SF}\end{aligned}$$

$$\text{DRIVE PAD} \quad 17 \times 20 \times 20 = 6,800 \text{ SF}$$

$$\text{TOTAL TYPE "D"} = 56,100 \text{ SF} = 1.2879 \text{ AC}$$

$$\text{AREA OF ROW} = 0.6623 \text{ AC}$$

$$4555 \text{ SF} = \text{TYPE "B"} = 0.1046 \text{ AC}$$

$$\text{TYPE "D"} = 0.5577$$

- TOTAL AREA DRAINING TO INLETS

$$A = 2.2493 + 0.6623$$

$$= 2.9116 \text{ AC}$$

$$\text{TYPE "D"} = 1.2879 + 0.5577 = 1.8456 \text{ AC} = 63.39\%$$

$$\text{TYPE "B"} = 36.61\%$$

$$P_1 = 1.90 \text{ in}$$

$$P_6 = 2.20 \text{ in}$$

$$P_{24} = 2.60 \text{ in}$$

FROM HY4MO OUTPUT SHEETS 5-8

$$Q = 10.38 \text{ CFS}$$

$$V = 0.3629 \text{ AC-FT}$$



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 SYDNEY PLACE
SUBJECT DRAINAGE CALCS

BY GJK DATE 11-1-04
CHECKED _____ DATE _____
SHEET 2 OF _____

• FIND RUNOFF OF SOUTH OPEN SPACE - THIS TO BE IN RETENTION POND

$$A = 0.9144 \text{ AC}$$

$$50\% B = 0.4572 \text{ AC}$$

$$50\% C = 0.4572 \text{ AC}$$

FROM AHYMO OUTPUT SHEETS 5-8

$$Q = 2.27 \text{ CFS}$$

$$V = 0.0634 \text{ AC-FT}$$

• FIND RUNOFF FROM NORTH OPEN SPACE - THIS TO BE IN RETENTION POND

$$A = 0.3360 \text{ AC}$$

$$50\% B = 0.1680 \text{ AC}$$

$$50\% C = 0.1680 \text{ AC}$$

FROM AHYMO OUTPUT SHEETS 5-8

$$Q = 0.84 \text{ CFS}$$

$$V = 0.0223 \text{ AC-FT}$$

• VERIFY 2 "SGL A" DOUBLE THROAT INLETS WILL WORK

$$Q_p = 3.0 \text{ H}^{1.5}$$

$$P = 11' \text{ FOR SGL A}$$

$$\frac{10.38}{2 \times 11} = 3.0 \text{ H}^{1.5}$$

$$H = 0.29' < 0.67' \text{ OK}$$

ASSUME 50% CLOGGED

$$H = 0.46' < 0.67' \text{ OK}$$

ASSUME TWICE FLOW & 50% CLOGGED

$$H = 0.73' < 0.85' \text{ OK}$$

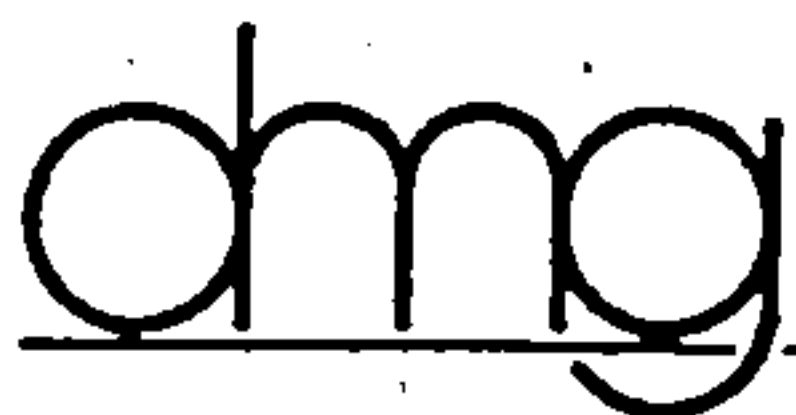
• SIZE POND FOR SOUTH OPEN SPACE

$$V = 2 \times 0.0634$$

$$= 0.1268 \text{ AC-FT}$$

$$= 5,524 \text{ CF}$$

ELEV	AREA (SF)	VOLUME (CF)
64	13,968	0
65	23,736	18,852 > 5,524 OK



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 SYDNEY PLACE

SUBJECT DRAINAGE CALCS

BY GSK

DATE 11-1-04

CHECKED _____

DATE _____

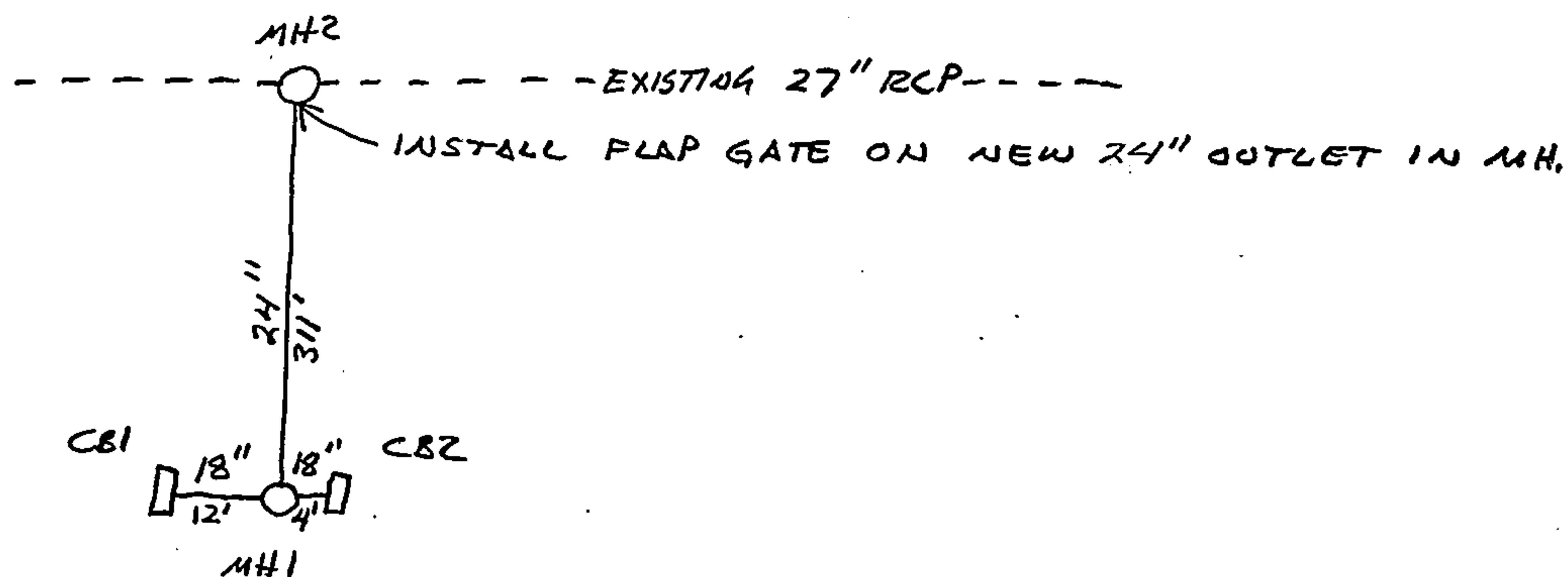
SHEET 3 OF _____

• SIZE POND FOR NORTH OPEN SPACE

$$\begin{aligned} V &= 2 \times 0.0223 \\ &= 0.0446 \text{ AC-FT} \\ &= 1,943 \text{ CF} \end{aligned}$$

ELEV	AREA (SF)	VOLUME (CF)
64	8,026	0
65	10,200	9,113 > 1,943 OK

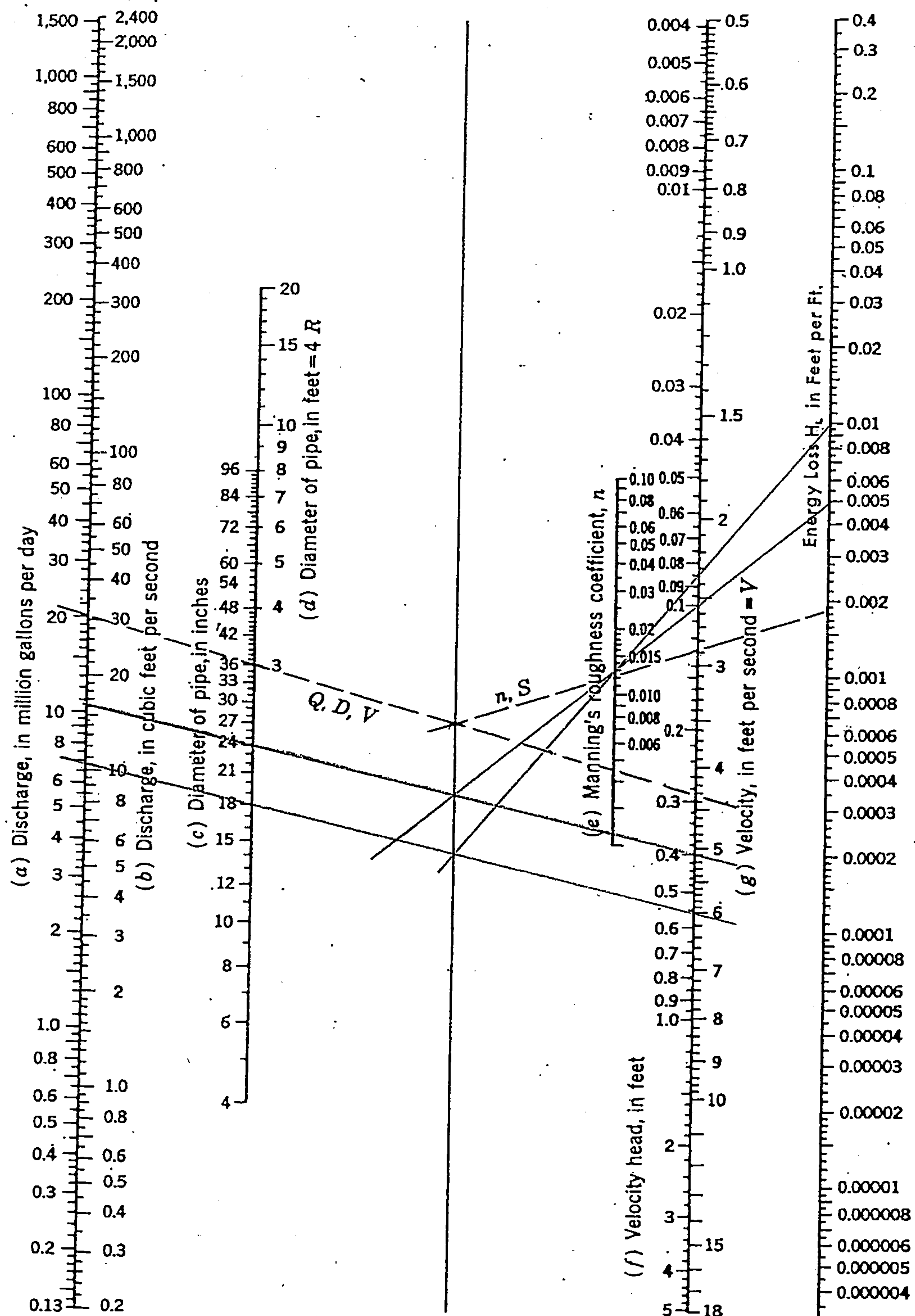
• DESIGN STORM DRAIN



STRUCTURE	RIM/GRATE	INV	SLOPE LEAVING	Q LEAVING (CFS)
CB1	62.94	59.94	1.90	5.19
CB2	62.94	59.94	1.90	5.19
MH1	63.39	59.82	0.59%	10.38
MH2	65.24	58.26	0.39%	?

FROM NOMO SHEET 4

18" AT 1.90 CARRIES 10.5 CFS
24" AT 0.59% CARRIES 16 CFS



Alignment chart for energy loss in pipes, for Manning's formula.
 Note: Use chart for flow computations, $H_L = S$

Figure 3-29a Nomograph for solution of Manning's formula.

5

```
START                TIME=0.0
***** HYDROGRAPH FOR SYDNEY PLACE
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=1.90 IN RAIN SIX=2.20 IN
                     RAIN DAY=2.60 IN DT=0.03333 HR

*****LOTS AND ROW
COMPUTE NM HYD       ID=1 HYD NO=101.1 AREA=0.004549 SQ MI
                     PER A=0 B=36.61 C=0 D=63.39
                     TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD            ID=1 CODE=1
*****SOUTH OPEN SPACE
COMPUTE NM HYD       ID=2 HYD NO=101.2 AREA=0.001429 SQ MI
                     PER A=0 B=50 C=50 D=0
                     TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD            ID=2 CODE=1
*****NORTH OPEN SPACE
COMPUTE NM HYD       ID=3 HYD NO=101.3 AREA=0.000525 SQ MI
                     PER A=0 B=50 C=50 D=0
                     TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD            ID=3 CODE=1
FINISH
```

AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January,
1994

RUN DATE (MON/DAY/YR) = 11/02/2004

START TIME (HR:MIN:SEC) = 09:02:32

USER NO. =

M_GOODWN.I01

INPUT FILE = SYDNEY.DAT

START TIME=0.0

***** HYDROGRAPH FOR SYDNEY PLACE

RAINFALL

TYPE=1 RAIN QUARTER=0.0 IN

RAIN ONE=1.90 IN RAIN SIX=2.20 IN

RAIN DAY=2.60 IN DT=0.03333 HR

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA
ATLAS 2 - PEAK AT 1.40 HR.

HOURS	DT =	.033330 HOURS	END TIME =	5.999400		
.0084	.0000	.0013	.0027	.0041	.0055	.0069
.0199	.0099	.0115	.0131	.0147	.0164	.0181
.0340	.0217	.0236	.0256	.0276	.0296	.0318
.0523	.0363	.0387	.0412	.0438	.0465	.0493
.0920	.0554	.0587	.0622	.0675	.0731	.0791
.7574	.1208	.1651	.2289	.3159	.4302	.5759
1.5201	.9790	1.1846	1.2704	1.3429	1.4074	1.4661
1.8130	1.5702	1.6171	1.6610	1.7023	1.7413	1.7781
1.9736	1.8460	1.8774	1.9071	1.9353	1.9621	1.9681
2.0059	1.9789	1.9839	1.9887	1.9932	1.9976	2.0018
2.0308	2.0098	2.0136	2.0172	2.0208	2.0242	2.0275
2.0514	2.0339	2.0370	2.0400	2.0430	2.0458	2.0486
2.0690	2.0540	2.0567	2.0592	2.0617	2.0642	2.0666
2.0846	2.0714	2.0737	2.0759	2.0781	2.0803	2.0825
2.0985	2.0867	2.0887	2.0907	2.0927	2.0947	2.0966
2.1112	2.1004	2.1023	2.1041	2.1059	2.1077	2.1095
2.1229	2.1130	2.1147	2.1164	2.1180	2.1197	2.1213
2.1337	2.1245	2.1261	2.1277	2.1292	2.1307	2.1322
2.1439	2.1352	2.1367	2.1382	2.1396	2.1410	2.1425
2.1533	2.1452	2.1466	2.1480	2.1494	2.1507	2.1520
2.1623	2.1547	2.1560	2.1572	2.1585	2.1598	2.1611
	2.1635	2.1648	2.1660	2.1672	2.1684	2.1696

2.1708
 2.1789
 2.1866
 2.1939
 2.1720 2.1731 2.1743 2.1754 2.1766 2.1777
 2.1800 2.1811 2.1822 2.1833 2.1844 2.1855
 2.1876 2.1887 2.1897 2.1908 2.1918 2.1929
 2.1949 2.1960 2.1970 2.1980 2.1990 2.2000

*****LOTS AND ROW

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.004549 SQ MI
 PER A=0 B=36.61 C=0 D=63.39
 TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000
 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = 11.385 CFS UNIT VOLUME = .9984 B =
 526.28 P60 = 1.9000
 AREA = .002884 SQ MI IA = .10000 INCHES INF =
 .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER
 METHOD - DT = .033330

K = .130761HR TP = .133300HR K/TP RATIO = .980950
 SHAPE CONSTANT, N = 3.599930
 UNIT PEAK = 4.0923 CFS UNIT VOLUME = .9970 B =
 327.55 P60 = 1.9000
 AREA = .001665 SQ MI IA = .50000 INCHES INF =
 1.25000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER
 METHOD - DT = .033330

PRINT HYD ID=1 CODE=1

PARTIAL HYDROGRAPH 101.10

RUNOFF VOLUME = 1.49581 INCHES = .3629 ACRE-FEET
 PEAK DISCHARGE RATE = 10.38 CFS AT 1.500 HOURS BASIN
 AREA = .0045 SQ. MI.

*****SOUTH OPEN SPACE

COMPUTE NM HYD ID=2 HYD NO=101.2 AREA=0.001429 SQ MI
 PER A=0 B=50 C=50 D=0
 TP=0.1333 HR MASS RAINFALL=-1

K = .118483HR TP = .133300HR K/TP RATIO = .888844
 SHAPE CONSTANT, N = 3.990548
 UNIT PEAK = 3.8007 CFS UNIT VOLUME = .9969 B =
 354.54 P60 = 1.9000
 AREA = .001429 SQ MI IA = .42500 INCHES INF =
 1.04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER
 METHOD - DT = .033330

PRINT HYD ID=2 CODE=1

PARTIAL HYDROGRAPH 101.20

RUNOFF VOLUME = .83181 INCHES = .0634 ACRE-FEET
 PEAK DISCHARGE RATE = 2.27 CFS AT 1.500 HOURS BASIN
 AREA = .0014 SQ. MI.

*****NORTH OPEN SPACE

COMPUTE NM HYD ID=3 HYD NO=101.3 AREA=0.000525 SQ MI
 PER A=0 B=50 C=50 D=0
 TP=0.1333 HR MASS RAINFALL=-1

K = .118483HR TP = .133300HR K/TP RATIO = .888844
 SHAPE CONSTANT, N = 3.990548
 UNIT PEAK = 1.3963 CFS UNIT VOLUME = .9906 B =
 354.54 P60 = 1.9000
 AREA = .000525 SQ MI IA = .42500 INCHES INF =
 1.04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER
 METHOD - DT = .033330

PRINT HYD ID=3 CODE=1

PARTIAL HYDROGRAPH 101.30

RUNOFF VOLUME = .83181 INCHES = .0233 ACRE-FEET
 PEAK DISCHARGE RATE = .84 CFS AT 1.500 HOURS BASIN
 AREA = .0005 SQ. MI.

FINISH

NORMAL PROGRAM FINISH

END TIME (HR:MIN:SEC) = 09:02:32