



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 22, 1995

**Mark Goodwin, P.E.
D. Mark Goodwin & Assoc.
P. O. Box 90606
Albuquerque, N.M. 87199**

**RE: GRADING PLAN FOR HIGH POINT TENNIS CLUB (G-23/D2A)-
RECEIVED FEBRUARY 23, 1995 FOR GRADING/PAVING PERMIT
ENGINEER'S STAMP DATED 2/22/95**

Dear Mr. Goodwin:

Based on the information included in the submittal referenced above, City Hydrology approves a Grading /Paving Permit for this Project.

City Hydrology recommends that the bottom of the detention pond be graded to match the invert of the 10" drain at 42.50. If the runoff is routed through the reservoir it should still have sufficient volume to comply with the allowable discharge of 6 cfs.

Engineer's Certification of grading & drainage per DPM checklist is required for this project.

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
Rory Hanna, High Point Tennis Club, 4300 Landau NE 87111**

DRAINAGE INFORMATION SHEET

PROJECT TITLE: High Point Tennis Club ZONE ATLAS/DRNG, FILE#: G-23/1021

LEGAL DESCRIPTION: Lot 1-A, Glenwood Hills, unit 6

CITY ADDRESS: 4300 Landau Street, NE

ENGINEERING FIRM: D. Mark Goodwin & Associates, PA CONTACT: Mark Goodwin, PE
ADDRESS: P.O. Box 90606 87199 PHONE: 828-2200

OWNER: High Point Tennis Club CONTACT: Rory Hanna
ADDRESS: 4300 Landau, NE 87111 PHONE: 293-5820

ARCHITECT: N/A CONTACT: _____
ADDRESS: _____ PHONE: _____

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich
ADDRESS: 3816 Carlisle, NE #G 87109 PHONE: 884-1990

CONTRACTOR: N/A CONTACT: _____
ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING

☐ YES
☒ NO
☐ COPY OF CONFERENCE RECAP
SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ NO. _____

TYPE OF SUBMITTAL

☐ DRAINAGE REPORT
☐ DRAINAGE PLAN
☐ CONCEPTUAL GRADING &
DRAINAGE PLAN
☒ GRADING PLAN
☐ EROSION PLAN
☐ ENGINEER'S CERTIFICATION

TYPE OF APPROVAL SOUGHT

☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ SITE DEVELOPMENT PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ BUILDING PERMIT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☐ CERTIFICATION OF OCCUPANCY APPROVAL
☐ ROUGH GRADING PERMIT APPROVAL
☒ GRADING / PAVING PERMIT APPROVAL
☐ OTHER _____

DATE SUBMITTED: 2/23/95

BY: Mark Goodwin
Mark Goodwin, P.E.

FEB 23 1995

PROJECT FILE



D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors
P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 345-2010

February 21, 1995

Mr. John Curtin
Hydrology Division
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87199

Re: High Point Tennis Club (G-23/D2A)

Dear Mr. Curtin:

Attached please find the revised Grading and Drainage Plan for the referenced project. We have provided the following:

- New hydrology for work area
- Additional survey information as requested

Please call if you have any questions or comments.

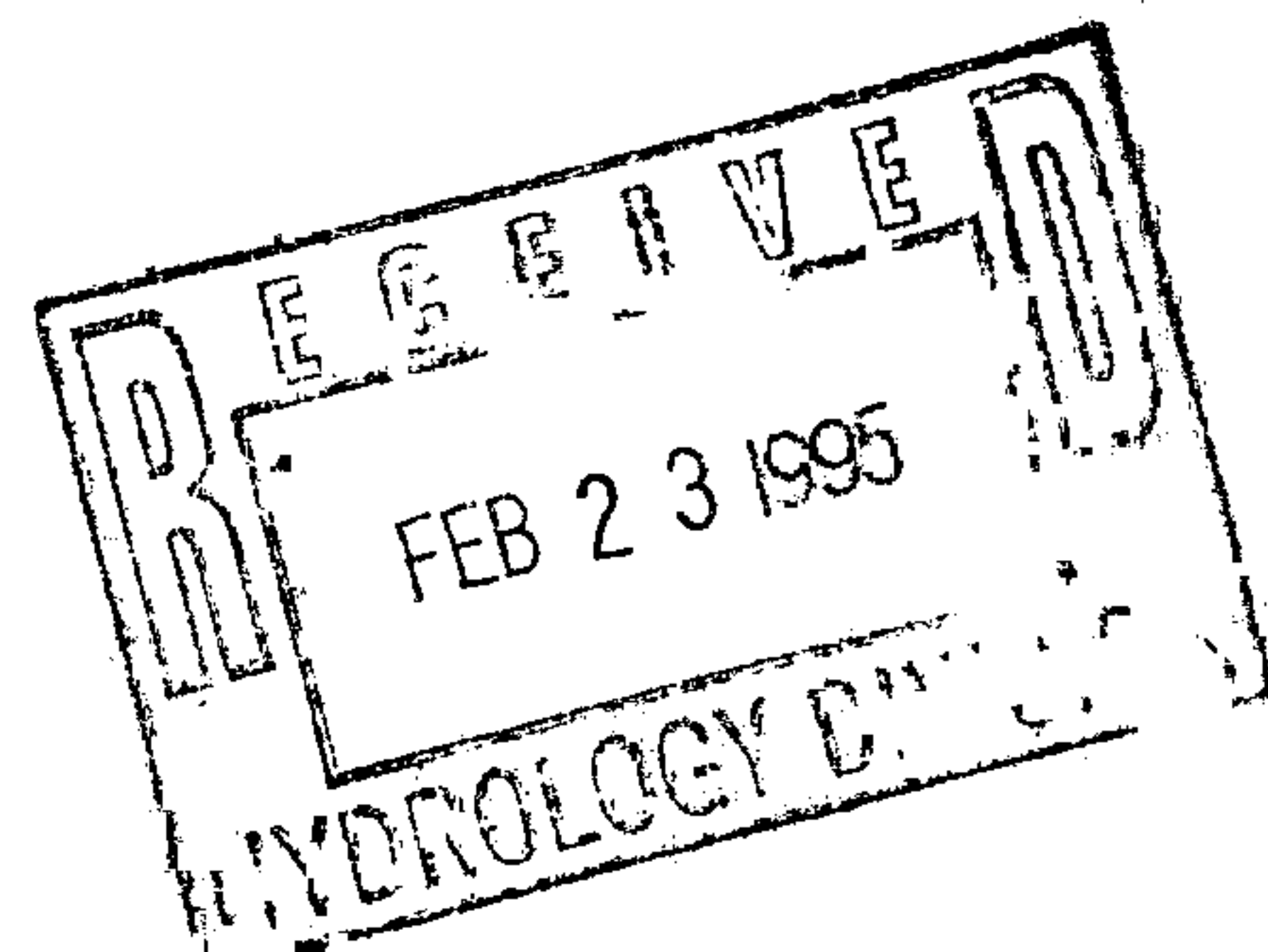
Sincerely,

MARK GOODWIN AND ASSOCIATES, P.A.

Mark Goodwin, P.E.

DMG:smr

Attachment





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

PROJECT HighPoint Tennis
SUBJECT Drainage
BY MG DATE 2/21/95
CHECKED _____ DATE _____
SHEET 1 OF 1

Per request of CoA, we will update hydrology on north side of Project.

Proposed

Area = 2.35 AC = 0.0037 sq. mi.

Precip. Zone 4 $P_1 = 2.23$ in $P_6 = 2.90$ $P_{24} = 3.65$ in.

Land Treatments:

Treatment A = 6100 S.F. = 5%

Treatment B = 38,865 S.F. = 32%

Treatment C = 2%

Treatment D = 69,796 S.F. = 61%

Per Attached AHYMO:

$Q = 10$ cfs

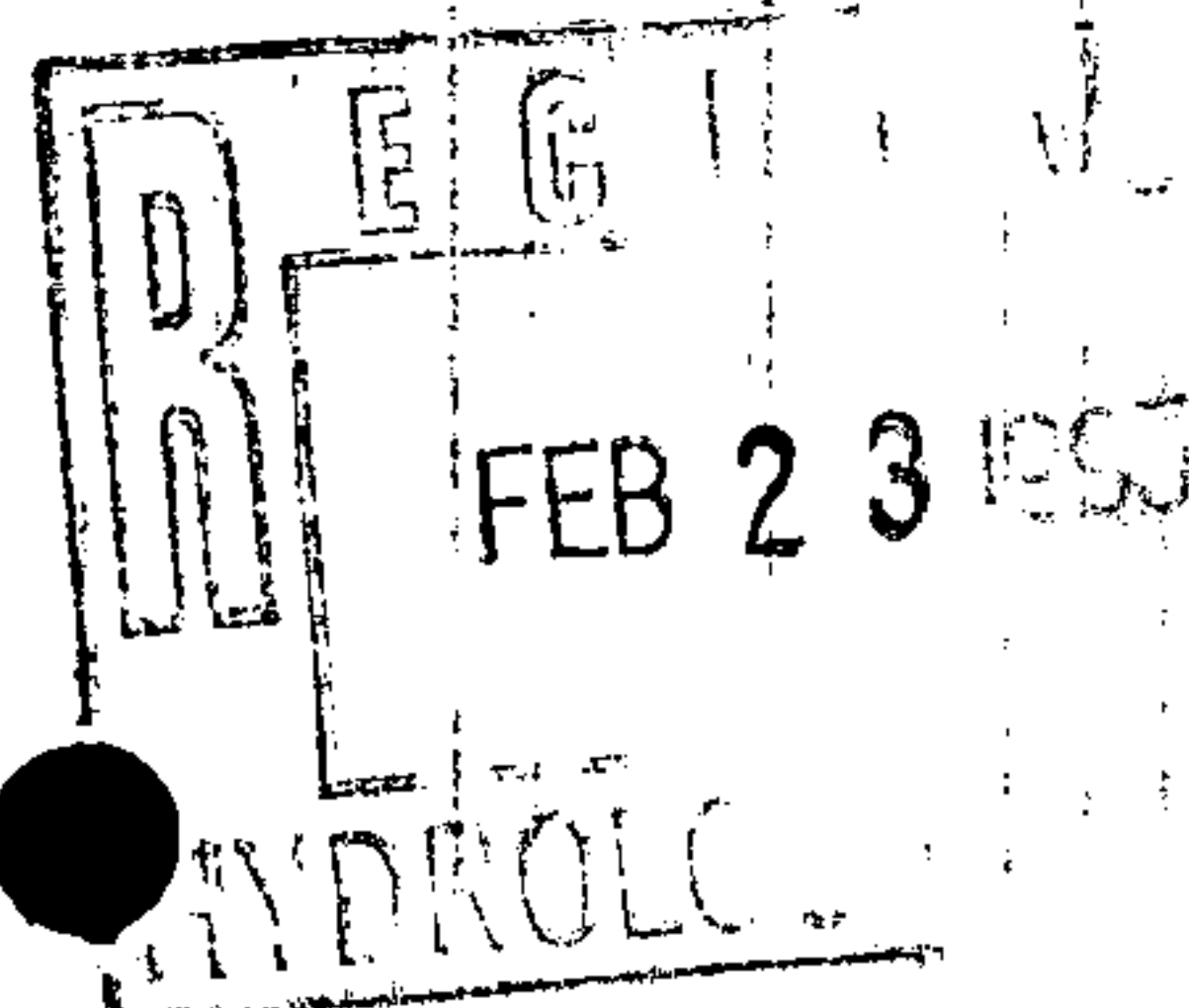
17,376

Vol. = 16,988 C.F. say 17,000

Original Pond Vol. = 15,900 C.F.

Need to increase to 17,000

By Adding 1' depth New Vol. = 17,200 C.F.



```

START                TIME=0.0
***** HYDROGRAPH FOR HIGH POINT TENNIS
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=2.23 IN RAIN SIX=2.90 IN
                     RAIN DAY=3.65 IN DT=0.03333 HR

***** PROPOSED CONDITIONS
COMPUTE NM HYD       ID=1 HYD NO=101.1 AREA=0.0037 SQ MI
                     PER A=5.0 PER B=32.0 PER C=2.0 PER D=61.0
                     TF=0.1333 HR MASS RAINFALL=-1
PRINT HYD            ID=1 CODE=1
FINISH

```

AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
 RUN DATE (MON/DAY/YR) = 02/21/1995
 START TIME (HR:MIN:SEC) = 14:58:40 USER NO.= M_GOODWN.101
 INPUT FILE = HIFTTEN.DAT

```

START                TIME=0.0
***** HYDROGRAPH FOR HIGH POINT TENNIS
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=2.23 IN RAIN SIX=2.90 IN
                     RAIN DAY=3.65 IN DT=0.03333 HR

```

- PEAK AT 1.40 HR.

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2
 DT. = .033330 HOURS END TIME = 5.999400 HOURS

.0000	.0055	.0110	.0167	.0225	.0284	.0345
.0406	.0469	.0534	.0600	.0668	.0738	.0809
.0882	.0958	.1035	.1115	.1197	.1282	.1370
.1461	.1555	.1653	.1754	.1860	.1971	.2086
.2207	.2334	.2469	.2530	.2596	.2667	.2818
.3156	.3677	.4425	.5446	.6787	.8498	1.0629
1.3228	1.5642	1.6650	1.7500	1.8257	1.8946	1.9579
2.0168	2.0718	2.1233	2.1719	2.2176	2.2608	2.3018
2.3405	2.3773	2.4122	2.4453	2.4767	2.4850	2.4927
2.5002	2.5074	2.5143	2.5210	2.5275	2.5338	2.5400
2.5459	2.5518	2.5575	2.5630	2.5685	2.5738	2.5790
2.5841	2.5891	2.5940	2.5988	2.6036	2.6082	2.6128
2.6173	2.6218	2.6262	2.6305	2.6347	2.6389	2.6431
2.6471	2.6512	2.6552	2.6591	2.6630	2.6668	2.6706
2.6743	2.6780	2.6817	2.6853	2.6889	2.6925	2.6960
2.6995	2.7029	2.7063	2.7097	2.7131	2.7164	2.7197
2.7229	2.7262	2.7294	2.7325	2.7357	2.7388	2.7419
2.7450	2.7480	2.7511	2.7541	2.7570	2.7600	2.7629
2.7658	2.7687	2.7716	2.7745	2.7773	2.7801	2.7829
2.7857	2.7885	2.7912	2.7939	2.7966	2.7993	2.8020
2.8046	2.8073	2.8099	2.8125	2.8151	2.8178	2.8202
2.8228	2.8253	2.8279	2.8304	2.8329	2.8353	2.8378
2.8402	2.8427	2.8451	2.8475	2.8499	2.8523	2.8547
2.8571	2.8594	2.8618	2.8641	2.8664	2.8687	2.8710
2.8733	2.8756	2.8779	2.8801	2.8824	2.8846	2.8868
2.8890	2.8912	2.8934	2.8956	2.8978	2.9000	

***** PROPOSED CONDITIONS

COMPUTE NM HYD

ID=1 HYD NO=101.1 AREA=0.0037 SQ MI

PER A=5.0 PER B=32.0 PER C=2.0 PER D=61.0

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE
 CONSTANT, N = 7.106420
 UNIT PEAK = 8.9108 CFS UNIT VOLUME = .9981 B = 526.28
 P60 = 2.2300
 AREA = .002257 SQ MI IA = .10000 INCHES INF = .04000 I
 NCHEE PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT
 = .033330

K = .136650HR TP = .133300HR K/TP RATIO = 1.025134 SHAPE
 CONSTANT, N = 3.443368
 UNIT PEAK = 3.4226 CFS UNIT VOLUME = .9961 B = 316.17
 P60 = 2.2300
 AREA = .001443 SQ MI IA = .51154 INCHES INF = 1.28231 I
 NCHEE PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT
 = .033330

PRINT HYD

ID=1 CODE=1

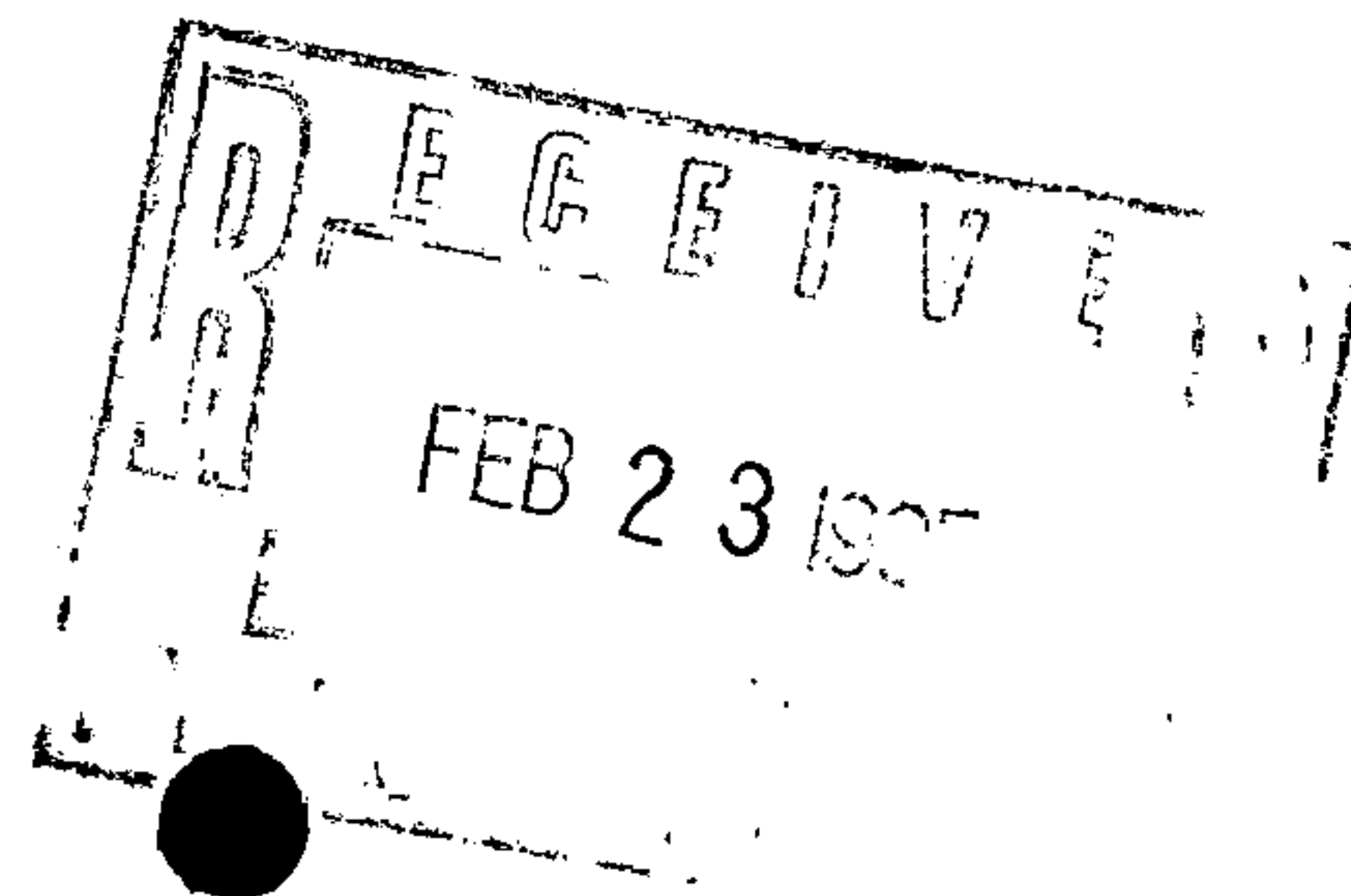
PARTIAL HYDROGRAPH 101.10

RUNOFF VOLUME = 2.02138 INCHES = 17,376 cf
 PEAK DISCHARGE RATE = 10.23 CFS AT 1.500 HOURS BASIN AREA = 3989 ACRE-Feet
 .0037 SQ. MI.

FINISH

NORMAL PROGRAM FINISH

END TIME (HR:MIN:SEC) = 14:58:48





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 10, 1995

Mark Goodwin, P.E.
D. Mark Goodwin & Assoc.
P. O. Box 90606
Albuquerque, N.M. 87199

RE: GRADING PLAN FOR HIGH POINT TENNIS CLUB (G-23/D2A)
RECEIVED JANUARY 25, 1995 FOR GRADING/PAVING PERMIT
ENGINEER'S STAMP DATED 1/24/95

Dear Mr. Goodwin:

Based on the information included in the submittal referenced above, City Hydrology has the following comments that must be addressed before Grading/Paving Permit approval:

1. Drainage Plan must be updated using the January 1993 Hydrology and current conditions.
2. Inlet & outlet pipes for the existing detention pond must be indicated on the Grading Plan. Provide invert elevations so that the pipes can be reestablished properly.

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
Rory Hanna, High Point Tennis Club, 4300 Landau NE 87111

DRAINAGE INFORMATION SHEET

PROJECT TITLE: High Point Tennis Club ZONE ATLAS/DRNG, FILE#: G-23/102A

LEGAL DESCRIPTION: Lot 1-A, Glenwood Hills, unit 6
CITY ADDRESS: 4300 Landau Street, NE

ENGINEERING FIRM: D. Mark Goodwin & Associates, PA CONTACT: Mark Goodwin, PE
ADDRESS: P.O. Box 90606 87199 PHONE: 828-2200

OWNER: High Point Tennis Club CONTACT: Rory Hanna
ADDRESS: 4300 Landau, NE 87111 PHONE: 293-5820

ARCHITECT: N/A CONTACT: _____
ADDRESS: _____ PHONE: _____

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich
ADDRESS: 3816 Carlisle, NE #G 87109 PHONE: 884-1990

CONTRACTOR: N/A CONTACT: _____
ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING

☐ YES
☒ NO
☐ COPY OF CONFERENCE RECAP
SHEET PROVIDED

DRB NO. _____
EPC NO. _____
PROJ NO. _____

TYPE OF SUBMITTAL

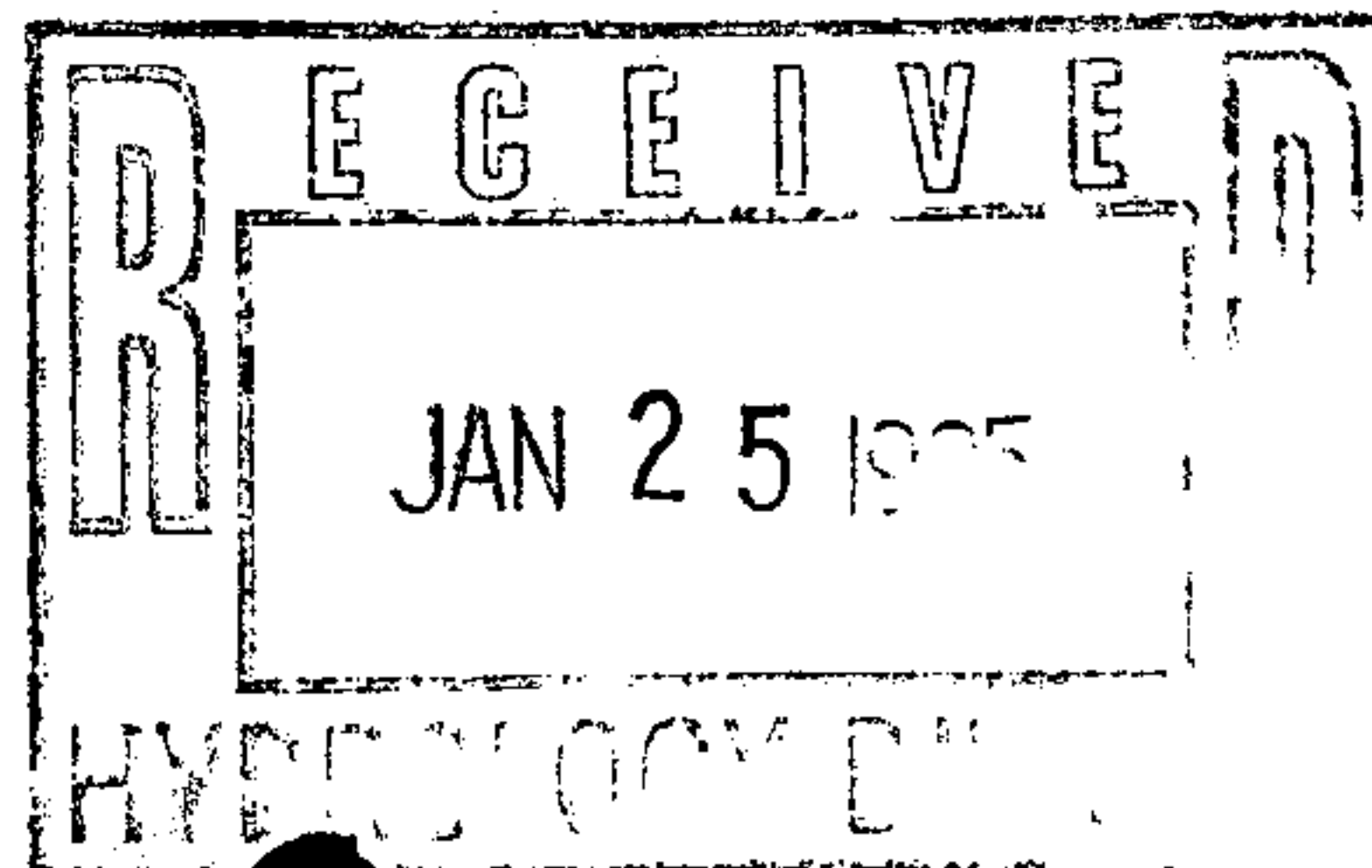
☐ DRAINAGE REPORT
☐ DRAINAGE PLAN
☐ CONCEPTUAL GRADING &
DRAINAGE PLAN
☒ GRADING PLAN
☐ EROSION PLAN
☐ ENGINEER'S CERTIFICATION

TYPE OF APPROVAL SOUGHT

☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ SITE DEVELOPMENT PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ BUILDING PERMIT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☐ CERTIFICATION OF OCCUPANCY APPROVAL
☐ ROUGH GRADING PERMIT APPROVAL
☒ GRADING / PAVING PERMIT APPROVAL
☐ OTHER _____

DATE SUBMITTED: 1/25/95

BY: Mark Goodwin
Mark Goodwin, P.E.





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

P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 345-2010

January 25, 1995

Mr. John Curtin
Hydrology Department
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87199

Re: High Point Tennis Club (G-23/D2A)

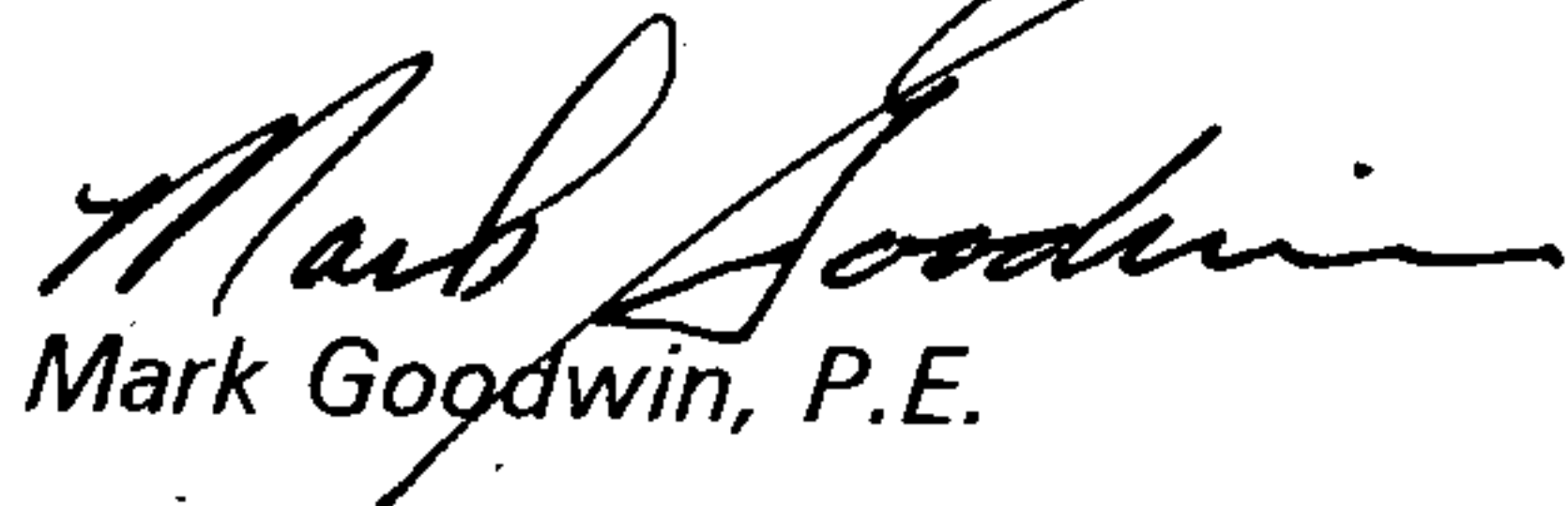
Dear Mr. Curtin:

Attached please find the once approved grading plan for the referenced project. Due to various delays, the project is just now going to construction which means that your approval has expired. We are hoping to obtain a new approval from you.

Please contact me if you have any questions.

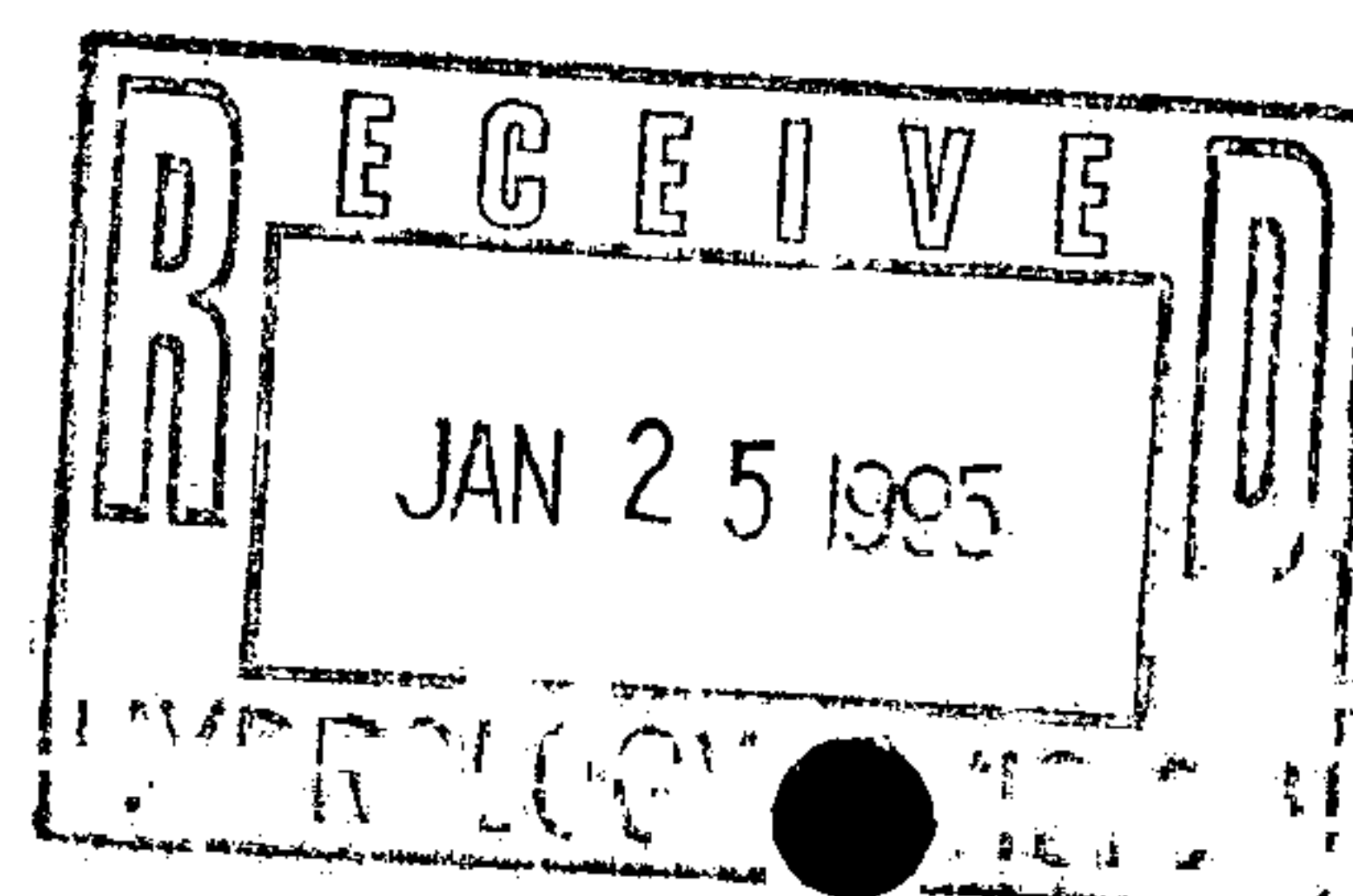
Sincerely,

MARK GOODWIN AND ASSOCIATES, P.A.


Mark Goodwin, P.E.

DMG:smr

Attachment





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 10, 1993

Mark Goodwin, P.E.
D. Mark Goodwin & Assoc.
P.O. Box 90606
Albuquerque, N.M. 87199

RE: GRADING PLAN FOR HIGH POINT TENNIS CLUB (G-23/D2A)
RECEIVED MAY 10, 1993 FOR GRADING/PAVING PERMIT APPROVAL
ENGINEER'S STAMP DATED 5/7/93

Dear Mr. Goodwin:

Based on the information included in the submittal referenced above, City Hydrology APPROVES this Project for Grading/Paving Permit approval.

Include a copy of the Grading Plan in the set of construction documents submitted for Grading/Paving permit.

Engineer's Certification of grades per DPM checklist is required for this project.

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

Sincerely,

John P. Curtin, P.E.
PWD/Hydrology

xc: Alan Martinez

WPHYD+7727;jpc

PUBLIC WORKS DEPARTMENT

DRAINAGE INFORMATION SHEET

PROJECT TITLE: High Point Tennis Club ZONE ATLAS/DRNG, FILE#: G-23

LEGAL DESCRIPTION: Lot 1-A, Glenwood Hills, unit 6

CITY ADDRESS: 4300 Landau Street, NE

ENGINEERING FIRM: D. Mark Goodwin & Associates, PA CONTACT: Mark Goodwin, PE
ADDRESS: P.O. Box 90606 87199 PHONE: 828-2200

OWNER: High Point Tennis Club CONTACT: Rory Hanna
ADDRESS: 4300 Landau, NE 87111 PHONE: 293-5820

ARCHITECT: N/A CONTACT: _____
ADDRESS: _____ PHONE: _____

SURVEYOR: Aldrich Land Surveying CONTACT: Tim Aldrich
ADDRESS: 3816 Carlisle, NE #G 87109 PHONE: 884-1990

CONTRACTOR: N/A CONTACT: _____
ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING

☐ YES
☒ NO
☐ COPY OF CONFERENCE RECAP
SHEET PROVIDED

DRB NO. _____
EPC NO. _____
PROJ NO. _____

TYPE OF SUBMITTAL

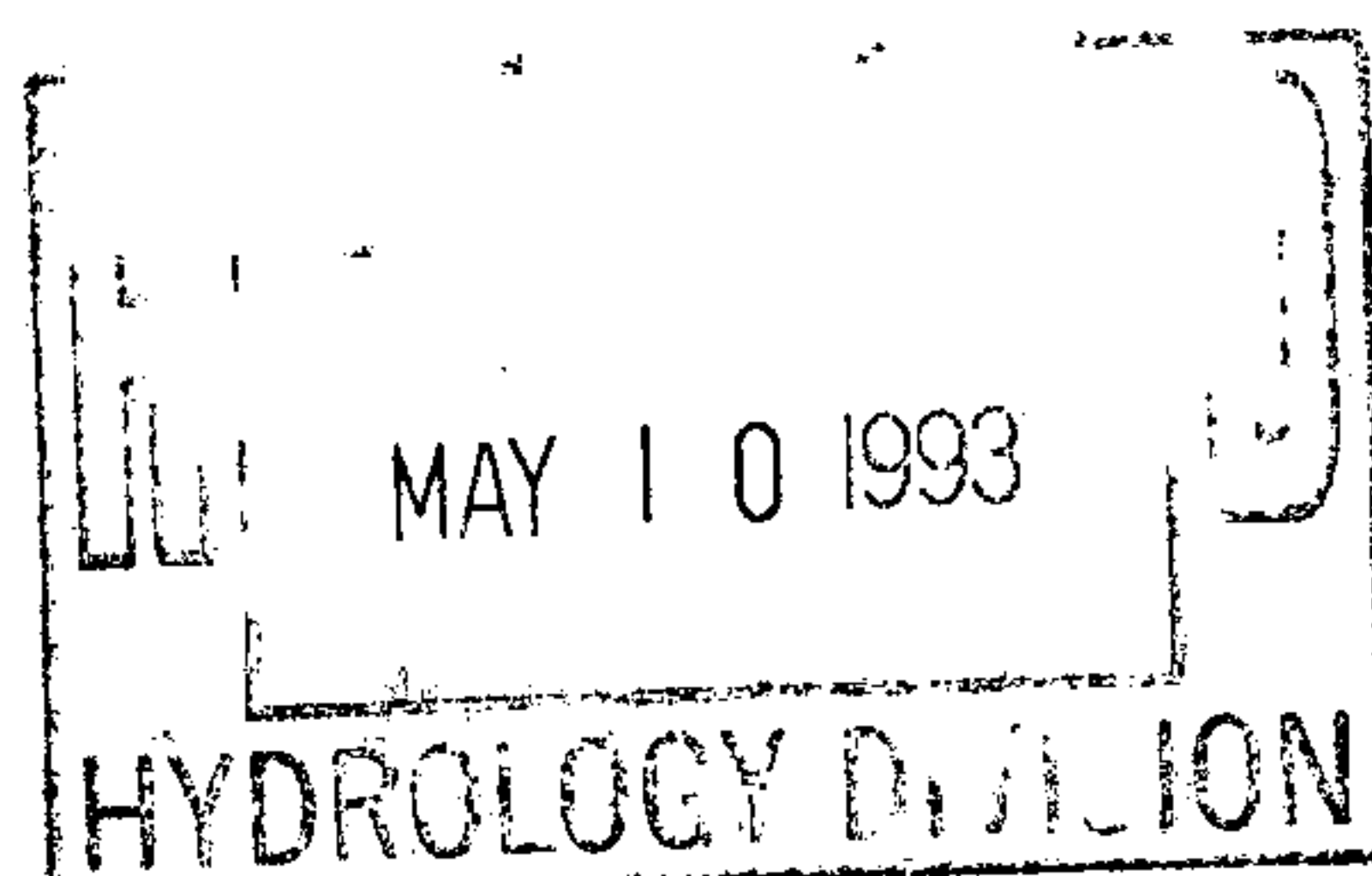
☐ DRAINAGE REPORT
☐ DRAINAGE PLAN
☐ CONCEPTUAL GRADING &
DRAINAGE PLAN
☒ GRADING PLAN
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TYPE OF APPROVAL SOUGHT

☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ SITE DEVELOPMENT PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ BUILDING PERMIT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☐ CERTIFICATION OF OCCUPANCY APPROVAL
☐ ROUGH GRADING PERMIT APPROVAL
☒ GRADING / PAVING PERMIT APPROVAL
☐ OTHER _____

DATE SUBMITTED: 5/7/93

BY: Mark Goodwin
Mark Goodwin, P.E.





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

P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 828-2200

May 6, 1993

Mr. John Curtin
Hydrology Department
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87199

Re: Highpoint Tennis Club (G-23/D2A)

Dear Mr. Curtin:

Attached, please find a revised Grading and Drainage Plan for the referenced project. We offer the following response to your letter of April 29, 1993:

1. Additional elevations have been added. Retaining walls were extended in two places along north side.
2. Detention pond had "lost" the required volume. This plan now shows re-grading the pond.
3. Area 1 does indeed drain to pond. Existing inlet in northwest corner of parking lot is in a sump. We have clarified this.

We hope that this satisfies all City concerns. If not, please feel free to contact our office.

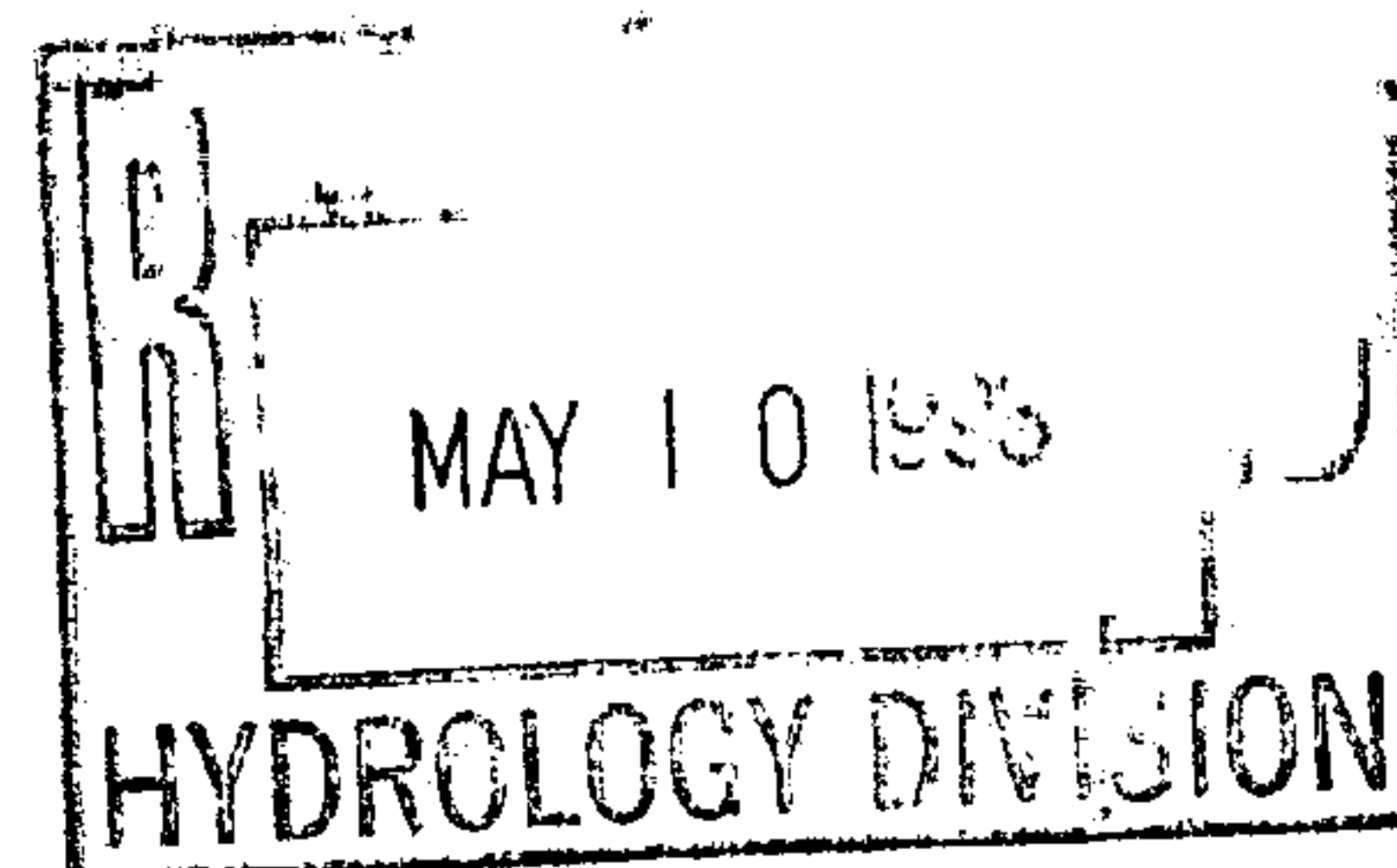
Sincerely,

D. MARK GOODWIN AND ASSOCIATES, P.A.

Mark Goodwin, P.E.

DMG:smr

Attachment





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 29, 1993

Mark Goodwin, P.E.
D. Mark Goodwin & Assoc.
P.O. Box 90606
Albuquerque, N.M. 87199

RE: GRADING PLAN FOR HIGH POINT TENNIS CLUB (G-23/D2A).
RECEIVED APRIL 21, 1993 FOR GRADING/PAVING PERMIT APPROVAL
ENGINEER'S STAMP DATED 4/20/93

Dear Mr. Goodwin:

Based on the information included in the submittal referenced above, City Hydrology REJECTS this Project for Grading/Paving Permit approval.

The following comments must be addressed before this project will be approved:

1. Add elevations at all corners for the proposed parking lot. A retaining wall may be required on the north side of the new west tennis court.
2. Verify that the existing detention pond is functioning as designed by Chris Weiss in 1985.
3. Verify that Drainage Area #1 drains to the detention pond as indicate in the Drainage Calculations by Chris Weiss.

It appears that additional grading may be required at the detention pond & the existing west parking lot to comply with the 1985 drainage plan.

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

Sincerely,

John P. Curtin, P.E.
PWD/Hydrology

WPHYD+7727;jpc

PUBLIC WORKS DEPARTMENT

DRAINAGE INFORMATION SHEET

PROJECT TITLE: High Point Tennis Club ZONE ATLAS/DRNG, FILE#: G-23 / D2A

LEGAL DESCRIPTION: Lot 1=A, Glenwood Hills, unit 6

CITY ADDRESS: 4300 Landau Street, NE

ENGINEERING FIRM: D. Mark Goodwin & Associates, PA

ADDRESS: P.O. Box 90606 87199

CONTACT: Mark Goodwin, PE

PHONE: 828-2200

OWNER: High Point Tennis Club

ADDRESS: 4300 Landau, NE 87111

CONTACT: Rory Hanna

PHONE: 293-5820

ARCHITECT: N/A

ADDRESS: _____

CONTACT: _____

PHONE: _____

SURVEYOR: Aldrich Land Surveying

ADDRESS: 3816 Carlisle, NE #G 87109

CONTACT: Tim Aldrich

PHONE: 884-1990

CONTRACTOR: N/A

ADDRESS: _____

CONTACT: _____

PHONE: _____

PRE-DESIGN MEETING

☐ YES

☒ NO

☐ COPY OF CONFERENCE RECAP
SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ NO. _____

TYPE OF SUBMITTAL

☐ DRAINAGE REPORT

☐ DRAINAGE PLAN

☐ CONCEPTUAL GRADING &

DRAINAGE PLAN

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☐ FOUNDATION PERMIT APPROVAL

☐ CERTIFICATION OF OCCUPANCY APPROVAL

☐ ROUGH GRADING PERMIT APPROVAL

☒ GRADING / PAVING PERMIT APPROVAL

☐ OTHER _____

DATE SUBMITTED: 4/20/93

BY: _____

Mark Goodwin
Mark Goodwin, P.E.



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

P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 828-2200

April 20, 1993

Mr. Bernie Montoya
Hydrology Department
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87199

Re: High Point Tennis Club, formerly Showdown Swim and Tennis Club

Dear Mr. Montoya:

Attached, please find a Paving and Grading Plan for the referenced project. ~~You will note that the amount of impervious area and drainage patterns have not changed from the approved plan prepared by Chris Weiss in 1985.~~ We are replacing a tennis court with a new parking lot and re-doing the remaining courts.

If you need further information, please contact our office.

Sincerely,

D. MARK GOODWIN AND ASSOCIATES, P.A.

Mark Goodwin, P.E.

DMG:smr

Attachments

