CITY OF
Albuquerque
Public Works Department

Martin J. Chávez, Mayor

Robert E. Gurulé, Director

April 3,1997

Mark Goodwin
Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, New Mexico 87199

RE: REVISED DRAINAGE PLAN FOR SPORTZ OUTDOORS (F18-D27) ENGINEER'S STAMP DATED 3/10/97 AND SUPPLEMENTAL INFORMATION PROVIDED ON APRIL 1,1997

Dear Mr. Goodwin:

Based on the information provided on your April 1,1997 resubmittal, the above referenced site is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Also, prior to Certificate of Occupancy release, Engineer Certification per the DPM will be required.

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
Engineering Associate

CITY OF
Albuquerque

March 25, 1997

Martin J. Chávez, Mayor

Roger Martinez, Jr.
Mark Goodwin & Assoc
P.O. Box 90606
Albuquerque, NM 87199

*RE: SPORTZ OUTDOORS (F18-D27). GRADING AND DRAINAGE PLAN FOR BUILDING PERMIT APPROVAL. ENGINEER'S STAMP DATED 3-10-97.*

Dear Mr. Martinez:

Based on the information provided on your March 11, 1997 submittal, City Hydrology has the following comments:

1. Are you sure you need a Building Permit? Where is the proposed building addition?

2. Provide pond volume capacity calculations and relate to proposed total volume.

3. Your letter indicates that the existing pond is a retention pond. The drawing shows a detention pond. What are the sizes of the existing pipe from the pond to Montgomery?

If I can be of further assistance, please feel free to contact me at 924-3984.

Sincerely,

Lisa Ann Manwill, P.E.
Engineering Assoc./Hyd.

c: Andrew Garcia
File

# DRAINAGE INFORMATION SHEET

PROJECT TITLE: Sportz Outdoors ZONE ATLAS/DRNG,FILE#: F-18

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: Re-Division Plat of Tracts 2T and 3T of Taylor Nursery

CITY ADDRESS: 6915 and 6917 Montgomery Blvd NE

ENGINEERING FIRM: Mark Goodwin & Associates, PA CONTACT: Roger Martinez, Jr.

ADDRESS: PO Box 90606 Albuquerque, NM 87199 PHONE: 345-2010

OWNER: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: George Rainhart Architects CONTACT: Doug Heller

ADDRESS: 2325 San Pedro NE Albuquerque, NM 87110 PHONE: 884-9110

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

**TYPE OF SUBMITTAL:**

____ DRAINAGE REPORT
X DRAINAGE PLAN
____ CONCEPTUAL GRADING & DRAINAGE PLAN
X 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
X BUILDING PERMIT APPROVAL
____ CERTIFICATION OF OCCUPANCY APPROVAL
____ GRADING PERMIT APPROVAL
____ PAVING PERMIT APPROVAL
____ S.A.D. DRAINAGE REPORT
____ DRAINAGE REQUIREMENTS
____ OTHER _____ (Specify)

DATE SUBMITTED: 1 APR 97

BY: Roger Martinez, Jr.
Roger Martinez, Jr.

*b\sportz\drainage.inf*

RECEIVED
APR 01 1997
HYDROLOGY SECTION

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

*April 1, 1997*

*Mr. Bernie Montoya*
*City Of Albuquerque, Hydrology*
*P.O. Box 1293*
*Albuquerque, NM 87103*

***RE: Sportz Outdoors (F18-D27)***

*Dear Mr. Montoya,*

*The intent of this letter is to respond to concerns outlined in Ms. Manwills letter dated March 25, 1997. Attached, please find the revised grading and drainage plan for the referenced project.*

*1. The architect was advised by planning to seek building permit for the new entrance to the second level.*

*2. Provided within this submittal.*

*3. The intent of the retention pond is to contain the capacity to detain the 100yr-6hr storm in the event of a failure of the sump pump. The water will be pumped from the ponding area to the existing retention pond to be discharged to Montgomery Blvd. The sizes of the existing outlet pipes are 8"s.*

*If you have any questions concerning this project or the letter, please contact me at 345-2010.*

*Sincerely,*

*MARK GOODWIN AND ASSOCIATES, P.A.*

*Roger Martinez, Jr.*

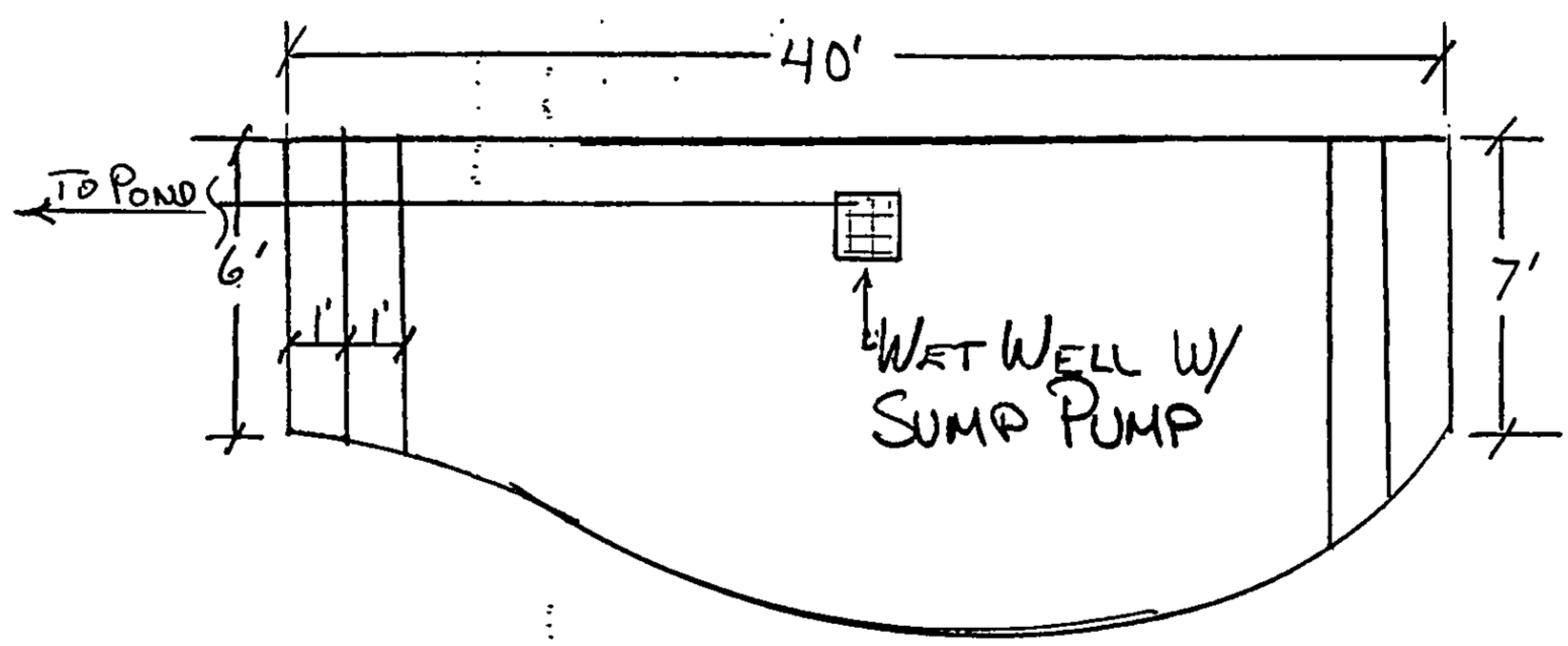
*Attachments*

*RM\bm*

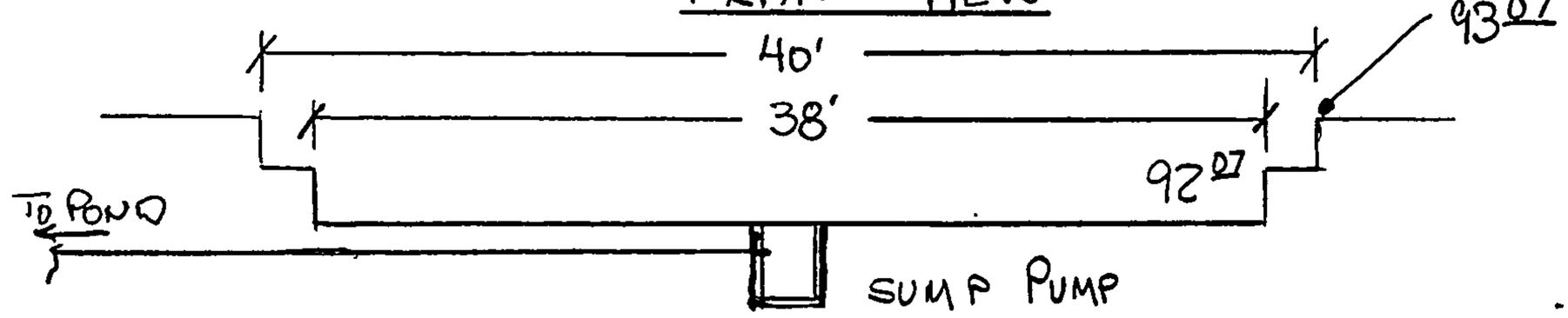
RECEIVED
APR 01 1997
HYDROLOGY SECTION

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

PROJECT SPORTZ OUTDOORZ
SUBJECT DRAINAGE POND SEC.
BY RM DATE 1 APR 97
CHECKED _____ DATE _____
SHEET 1 OF 1




PLAN VIEW




SECTION VIEW

POND SIZE

| ELEV | AREA (ft²) | VOL (ft³) |
|---|---|---|
| 92.07 | 320 | |
| | | 425 |
| 93.07 | 530 | |
| | TOTAL | 425 |

POND VOLUME REQ'D = 418 ft³
POND VOLUME PROVIDED = 425 ft³

RECEIVED
APR 01 1997
HYDROLOGY SECTION

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

March 10, 1997

Hydrology Section
City of Albuquerque
Plaza Del Sol
200 Lomas NW
Albuquerque, NM 87102

Which is it? Entrance to the second level or Below ground entrance or both.

**Re: Sportz Outdoors**

To Whom It May Concern:

Attached, please find the drainage calculations, grading and drainage plan for the Sportz Outdoors retail store located on the north side of Montgomery Blvd and west of Louisiana Blvd.

? The site is currently an existing retail center. The proposed construction for this site is a new entrance to the second level and minor parking lot improvements. There will be no additional impervious area within the proposed parking lot improvements which consist of parking islands constructed 6" above the existing top of asphalt. The existing storm runoff will continue to be conveyed around the islands without adverse impedance of the flow. The new entrance to the ? below-ground level will increase the runoff and detain the excess drainage. A ponding area, wet well and sump pump will be required to drain the proposed improvements. The capacity of the ponding area and wet well is for the 100yr-6hr storm, Volume = 3128 gal. = 418 $ft^3$. The wet well will discharge the detained storm via sump pump to the existing retention pond. The existing retention pond contains the capacity to accept flows from the proposed improvements. Therefore, the existing pond will not be increased. AHYMO was used and fully developed conditions were assumed to calculate and obtain the developed flows in accordance with current city standards and ordinances (see attached sheets).

If you have any questions concerning this site or the submittal, please contact me.

Look like detention pond to me.

Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.

Roger Martinez, Jr.

Attachments

b:\sportz\drainage.ltr

RECEIVED
MAR 11 1997
HYDROLOGY SECTION

```
START                   TIME=0.0

*****   HYDROGRAPH FOR SPORTZ OUTDOORS ONSITE IMPROVEMENTS
*****   PROPOSED IMPROVEMENTS ARE ADJACENT TO MONTGOMERY BLVD.

RAINFALL                TYPE=1 RAIN QUARTER=0.0 IN
                        RAIN ONE=2.14 IN RAIN SIX=2.60 IN
                        RAIN DAY=3.10 IN DT=0.03333 HR

*HYDROGRAPH FOR PROPOSED BASIN
*DRAINAGE FOR THE BASIN WILL REQUIRE A SUMP PUMP TO DISCHARGE
*INTO THE EXISTING POND LOCATED WEST OF PROPOSED IMPROVEMENTS.

COMPUTE NM HYD          ID=1 HYD NO=101.1 AREA=0.000078914 SQ MI
                        PER A=0.00 PER B=2.50 PER C=2.50 PER D=95.00
                        TP=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) = 02/27/1997
     START TIME (HR:MIN:SEC) = 09:28:50      USER NO.= M_GOODWN.I01
     INPUT FILE = SPORTZ.DAT

START                TIME=0.0


*****   HYDROGRAPH FOR SPORTZ OUTDOORS ONSITE IMPROVEMENTS

*****   PROPOSED IMPROVEMENTS ARE ADJACENT TO MONTGOMERY BLVD.


RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN

                     RAIN ONE=2.14 IN RAIN SIX=2.60 IN

                     RAIN DAY=3.10 IN DT=0.03333 HR


                COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS
2 - PEAK AT 1.40 HR.
                DT =     .033330 HOURS        END TIME =     5.999400 HOURS
                   .0000   .0027   .0055   .0084   .0113   .0143   .0173
                   .0204   .0236   .0269   .0302   .0337   .0372   .0408
                   .0445   .0484   .0523   .0564   .0606   .0649   .0694
                   .0741   .0789   .0839   .0892   .0946   .1003   .1063
                   .1126   .1192   .1262   .1322   .1385   .1452   .1597
                   .1922   .2422   .3139   .4119   .5407   .7049   .9093
                  1.1588  1.3904  1.4871  1.5687  1.6414  1.7074  1.7683
                  1.8247  1.8775  1.9270  1.9735  2.0174  2.0589  2.0982
                  2.1354  2.1707  2.2041  2.2359  2.2661  2.2737  2.2807
```

| | | | | | | |
|---|---|---|---|---|---|---|
| 2.2875 | 2.2939 | 2.3001 | 2.3060 | 2.3117 | 2.3172 | 2.3226 |
| 2.3277 | 2.3328 | 2.3376 | 2.3423 | 2.3470 | 2.3514 | 2.3558 |
| 2.3601 | 2.3643 | 2.3683 | 2.3723 | 2.3762 | 2.3801 | 2.3838 |
| 2.3875 | 2.3911 | 2.3947 | 2.3982 | 2.4016 | 2.4050 | 2.4083 |
| 2.4115 | 2.4147 | 2.4179 | 2.4210 | 2.4241 | 2.4271 | 2.4301 |
| 2.4330 | 2.4359 | 2.4388 | 2.4416 | 2.4444 | 2.4472 | 2.4499 |
| 2.4526 | 2.4553 | 2.4579 | 2.4605 | 2.4631 | 2.4656 | 2.4681 |
| 2.4706 | 2.4731 | 2.4755 | 2.4779 | 2.4803 | 2.4827 | 2.4850 |
| 2.4873 | 2.4896 | 2.4919 | 2.4942 | 2.4964 | 2.4986 | 2.5008 |
| 2.5030 | 2.5052 | 2.5073 | 2.5094 | 2.5115 | 2.5136 | 2.5157 |
| 2.5177 | 2.5198 | 2.5218 | 2.5238 | 2.5258 | 2.5277 | 2.5297 |
| 2.5317 | 2.5336 | 2.5355 | 2.5374 | 2.5393 | 2.5412 | 2.5430 |
| 2.5449 | 2.5467 | 2.5486 | 2.5504 | 2.5522 | 2.5540 | 2.5557 |
| 2.5575 | 2.5593 | 2.5610 | 2.5627 | 2.5645 | 2.5662 | 2.5679 |
| 2.5696 | 2.5713 | 2.5729 | 2.5746 | 2.5762 | 2.5779 | 2.5795 |
| 2.5811 | 2.5828 | 2.5844 | 2.5860 | 2.5876 | 2.5891 | 2.5907 |
| 2.5923 | 2.5938 | 2.5954 | 2.5969 | 2.5984 | 2.6000 | |

*HYDROGRAPH FOR PROPOSED BASIN

*DRAINAGE FOR THE BASIN WILL REQUIRE A SUMP PUMP TO DISCHARGE

*INTO THE EXISTING POND LOCATED WEST OF PROPOSED IMPROVEMENTS.

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.000078914 SQ MI

PER A=0.00 PER B=2.50 PER C=2.50 PER D=95.00

TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHA
PE CONSTANT, N = 7.106420
UNIT PEAK = .29598 CFS UNIT VOLUME = .9610 B = 526.
28 P60 = 2.1400
AREA = .000075 SQ MI IA = .10000 INCHES INF = .04000

```
 INCHES PER HOUR
        RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D
T =    .033330

        K =    .121284HR     TP =    .133300HR     K/TP RATIO =    .909858      SHA
PE CONSTANT, N =  3.892621
        UNIT PEAK =    .10299E-01CFS   UNIT VOLUME =     .8726        B =    347.
95    P60 = 2.1400
        AREA =       .000004 SQ MI     IA =     .42500 INCHES     INF =    1.04000
 INCHES PER HOUR
        RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - D
T =    .033330

     PRINT HYD            ID=1 CODE=1


                                          PARTIAL HYDROGRAPH   101.10


     RUNOFF VOLUME =      2.29204 INCHES      =          .0096 ACRE-FEET
     PEAK DISCHARGE RATE =          .26 CFS  AT   1.500 HOURS   BASIN AREA =
.0001 SQ. MI.


 FINISH


     NORMAL PROGRAM FINISH            END TIME (HR:MIN:SEC) = 09:28:51
```

# DRAINAGE INFORMATION SHEET

PROJECT TITLE: Sportz Outdoors ZONE ATLAS/DRNG,FILE#: F-18 D27

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: Re-Division Plat of Tracts 2T and 3T of Taylor Nursery

CITY ADDRESS: 6915 and 6917 Montgomery Blvd NE

ENGINEERING FIRM: Mark Goodwin & Associates, PA CONTACT: Roger Martinez, Jr.

ADDRESS: PO Box 90606 Albuquerque, NM 87199 PHONE: 345-2010

OWNER: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

ARCHITECT: George Rainhart Architects CONTACT: Doug Heller

ADDRESS: 2325 San Pedro NE Albuquerque, NM 87110 PHONE: 884-9110

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

**TYPE OF SUBMITTAL:**

___ DRAINAGE REPORT
X DRAINAGE PLAN
___ CONCEPTUAL GRADING & DRAINAGE PLAN
X 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
X BUILDING PERMIT APPROVAL
___ CERTIFICATION OF OCCUPANCY APPROVAL
___ GRADING PERMIT APPROVAL
___ PAVING PERMIT APPROVAL
___ S.A.D. DRAINAGE REPORT
___ DRAINAGE REQUIREMENTS
___ OTHER _____ (Specify)

DATE SUBMITTED: 10 MAR 97

BY: Roger Martinez, Jr.
Roger Martinez, Jr.

*b\sportz\drainage.inf*

RECEIVED
MAR 11 1997
HYDROLOGY SECTION

ENCHANTMENT ENGINEERING Inc.
9910 INDIAN SCHOOL RD. N.E., Suite 105
ALBUQUERQUE, N. M. Ph. 294-8859

# REDIVISION PLAT

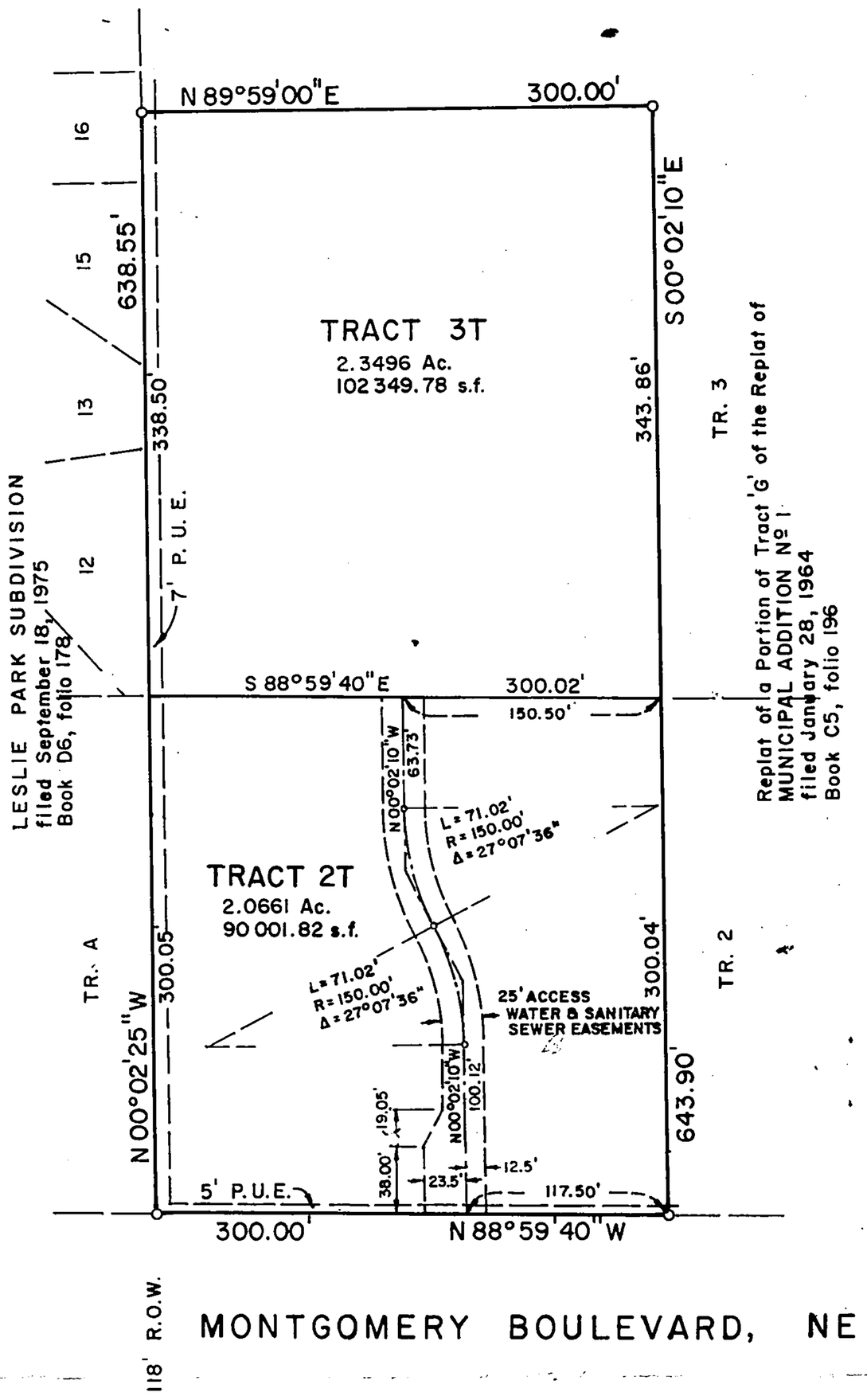
## TRACTS 2T AND 3T

BEING A REPLAT OF
TAYLOR'S NURSERY
(Plat filed March 13, 1969 B4-193)
WITHIN

## MUNICIPAL ADDITION Nº I

ALBUQUERQUE, NEW MEXICO

FEBRUARY 29, 1984




SCALE 1"=100'

This Plat is filed for the purpose of dividin the existing parcel into two parts.

Bearings and perimeter distances are from th Replat of a portion of Tract 'G' of the Repl of MUNICIPAL ADDITION No.1 filed January 28, 1964.

No corners were set on this survey.

The Redivision Plat showing the Replat of Taylor's Nursery into Tracts 2T and 3T, MUNICIPAL ADDITION No.1 is with the free consent and in accordance with the desires of the undersigned owner.

Charles B. Webb President, Green Chaparral Ranch, Inc.
a New Mexico Corporation

NOTE: The 25 foot-wide Access, Water, and Sanitary Sewer Easements as shown hereon are dedicated to the Public use.

STATE OF NEW MEXICO )
COUNTY OF BERNALILLO ) ss

On this 22nd day of May, 1984, the foregoing instrument was acknowledged before me by Charles B. Webb, president of Green Chaparral Ranch, Inc., a New Mexico corporation, on behalf of said corporatic

My commission expires Oct. 31, 1984.

Notary Public

APPROVALS

Traffic Engineer, Transportation Department — Date 10-31-84 5-29-84

Parks and Recreation Department — Date 5-29-84

Chief City Surveyor, Engineering Division — Date 03 13 84

Water Resources Department — Date 5/29/84

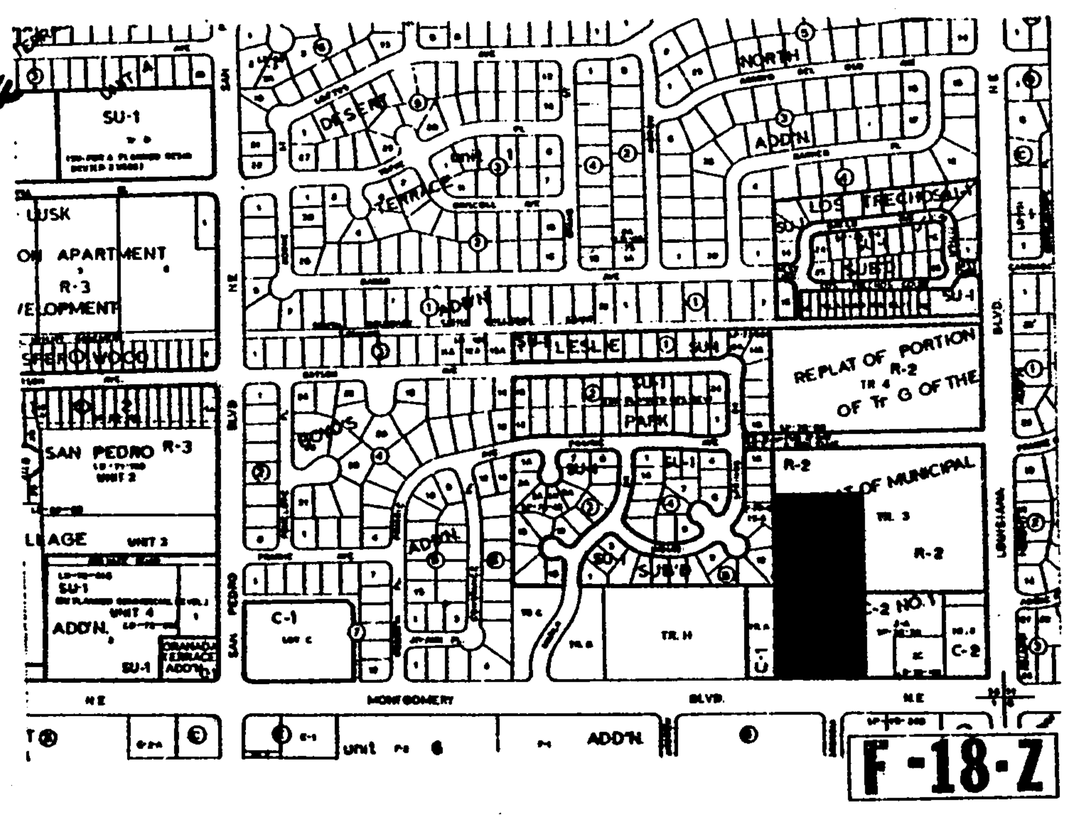
Property Management — Date 3-13-84

A.M.A.F.C.A. — Date 5/29/84

City Engineer, Engineering Division — Date 5/29/84

APPROVAL AND CONDITIONAL ACCEPTANCE as specified by the Albuquerque Subdivision Ordinance, Article XI of Chapter 7 of the Revised Ordinances of Albuquerque, New Mexico.

City Planner — Date 5/29/84




SURVEYOR

I, J. W. Bettis do hereby certify that I am a Registered Professional Engineer and Land Surveyor under the laws of the State of New Mexico, and that this plat was prepared by me or under my supervision, shows all easements of record, meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and is true and accurate to the best of my knowledge and belief.

RECEIVED
JUN 27 1984
HYDROLOGY SECTION

J. W. Bettis
Reg. P.E. & L.S. #3441

SP-84227

INFORMATION SHEET

PROJECT TITLE Germer's F18 - D27 TYPE OF SUBMITTAL Grading + Drainage

ZONE ATLAS PAGE NO. F-18 CITY ADDRESS 6915 6917 Montgomery Blvd. N.E.

LEGAL DESCRIPTION Redivision Plat of Tracts 2T & 3T of Taylor's Nursery

ENGINEERING FIRM DMJM/Adam,Hamlyn,Anderson CONTACT Mr. Charles Burm

ADDRESS 4055 Mongomery Blvd Suite A PHONE 881-1808

OWNER Germer's CONTACT

ADDRESS PHONE

ARCHITECT Schlegel & Lewis CONTACT Mr. Joe Brawley

ADDRESS 1620 Central Ave SE PHONE 247-1529

SURVEYOR DMJM/Adam,Hamlyn, Anderson CONTACT Mr. Walt Richards

ADDRESS 4055 Montgomery Blvd Suite A PHONE 881-1808

CONTRACTOR Jaynes Corporation CONTACT Mr. Rick Marquardt

ADDRESS 2906 Broadway NE PHONE 345-8591

PRE-DESIGN MEETING:

X YES
___ NO
___ COPY OF CONFERENCE RECAP SHEET PROVIDED

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ SITE DEVELOPMENT PLAN APPROVAL
___ FINAL PLAT APPROVAL
X BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
___ GRADING/PAVING PERMIT APPROVAL
___ OTHER _____(SPECIFY)

DATE SUBMITTED: 6-27-84

BY: Charles Burm

RECEIVED
JUN 27 1984
HYDROLOGY SECTION

INFORMATION SHEET

PROJECT TITLE Germer's 87 TYPE OF SUBMITTAL Conceptual Grading & Drainage

ZONE ATLAS PAGE NO. F-18 CITY ADDRESS 6917 Montgomery Blvd. N.E.

LEGAL DESCRIPTION Redivision Plat of Tracts 2T & 3T of Taylor's Nursery

ENGINEERING FIRM DMJM/Adam,Hamlyn,Anderson CONTACT Mr. Charles Burm

ADDRESS 4055 Mongomery Blvd Suite A PHONE 881-1808

OWNER Germer's CONTACT

ADDRESS PHONE

ARCHITECT Schlegel & Lewis CONTACT Mr. Joe Brawley

ADDRESS 1620 Central Ave SE PHONE 247-1529

SURVEYOR DMJM/Adam,Hamlyn, Anderson CONTACT Mr. Walt Richards

ADDRESS 4055 Montgomery Blvd Suite A PHONE 881-1808

CONTRACTOR Jaynes Corporation CONTACT Mr. Rick Marquardt

ADDRESS 2906 Broadway NE PHONE 345-8591

PRE-DESIGN MEETING:

X YES
___ NO
X COPY OF CONFERENCE RECAP SHEET PROVIDED

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
X SITE DEVELOPMENT PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
___ GRADING/PAVING PERMIT APPROVAL
___ OTHER _____ (SPECIFY)

DATE SUBMITTED: 5-24-84

BY: Charles Burm

RECEIVED
MAY 24 1984
HYDROLOGY SECTION

**DMJM**/Adam, Hamlyn, Anderson

RECEIVED
JUL 09 1984
CITY ENGINEER

July 5, 1984
City of Albuquerque
Design Hydrology Section
PO Box 1293
Albuquerque, NM 87103

Attn: Mr. Billy Goolsby

Re: Grading & Drainage Plan
GERMER'S (F18-D27)

Dear Mr. Goolsby:

This is to confirm our discussions of June 27, 1984. The "Drainage Facilities Within Public R/W" for Germer's will be included in the proposed improvements on Montgomery Blvd.

If there are any questions, please call.

Very truly yours,

Charles B. Burm

Charles B. Burm, PE

CBB/ccl

**A Division of**
**Daniel, Mann, Johnson, & Mendenhall**

**Suite A**
**4055 Montgomery Boulevard N.E.**
**Albuquerque, New Mexico 87109**
**Telephone: 505/881-1808**

Planning
Engineering
Systems
Economics

M.B. "PETE" FORD
Chairman of the Board

J. HOWARD MOCK
President

2906 BROADWAY N.E.
JAYNES CORPORATION
CONTRACTOR
ALBUQUERQUE, N.M.

License #4866

November 9, 1984

TO: Steve Chavez, City of Albuquerque

RE: GERMERS

The work to complete drainage requirements will be finished as designed within 30 days.

Further we (Jaynes Corporation) understand that interim responsibilities for on-site flows are ours.

Sincerely,

Don Johnson
Design Architect
Jaynes Corporation

HOME OFFICE: 2906 Broadway NE, P.O. Box 26841, Alb., NM 87125 (505) 345-8591

FARMINGTON: 2101 San Juan Blvd., Farmington, NM 87401 (505) 326-3354

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

HYDROLOGY SECTION PROJ. NO. F18 DATE: 5/16/84

PLANNING DIVISION NO. _____

RECEIVED
JUN 05 1984

## CONFERENCE RECAP

SUBJECT: PORTION OF TRC 2 + ALL TRC 1, REPORT OF MUNICIPAL SUBD.

| WHO | REPRESENTING |
|---|---|
| ATTENDANCE: CHARLES BURM | |
| FRED J. AGUIRRE | |

FINDINGS:

1. DRAINAGE PLAN REQUIRED IN ACCORDANCE WITH D.P.M.
2. CONTROLLED DISCHARGE REQUIRED FOR THE INCREASED RUNOFF CREATED BY THIS DEVELOPMENT
3. OFFSITE FLOWS MUST BE ACCEPTED AND ROUTED THRU THE SITE TO A PUBLIC R/W OR EASEMENT. IF OFFSITE FLOWS ARE ROUTED THRU A POND the ~~OVERFLOW~~ EMERGENCY DISCHARGE WILL BE ALLOWED ~~OVER~~ TO SPILL OVER THE SIDEWALK WITH ADEQUATE EROSION PROTECTION

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: Fred J. Aguirre
TITLE: _____
DATE: 5/16/84

SIGNED: Charles Burm
TITLE: Project Engineer
DATE: 5-16-84

INFORMATION SHEET

PROJECT TITLE Germer's F18 - D27 TYPE OF SUBMITTAL Grading Plan

ZONE ATLAS PAGE NO. F-18 D27 CITY ADDRESS 6917 Montgomery Blvd. N.E.

LEGAL DESCRIPTION Redivision Plat of Tracts 2T & 3T of Taylor's Nursery

ENGINEERING FIRM DMJM/Adam,Hamlyn,Anderson CONTACT Mr. Charles Burm

ADDRESS 4055 Mongomery Blvd Suite A PHONE 881-1808

OWNER Germer's CONTACT

ADDRESS PHONE

ARCHITECT Schlegel & Lewis CONTACT Mr. Joe Brawley

ADDRESS 1620 Central Ave SE PHONE 247-1529

SURVEYOR DMJM/Adam,Hamlyn, Anderson CONTACT Mr. Walt Richards

ADDRESS 4055 Montgomery Blvd Suite A PHONE 881-1808

CONTRACTOR Jaynes Corporation CONTACT Mr. Rick Marquardt

ADDRESS 2906 Broadway NE PHONE 345-8591

PRE-DESIGN MEETING:

X YES
___ NO
X COPY OF CONFERENCE RECAP SHEET PROVIDED

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ SITE DEVELOPMENT PLAN APPROVAL
___ FINAL PLAT APPROVAL
X BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
___ GRADING/PAVING PERMIT APPROVAL
___ OTHER _____(SPECIFY)

DATE SUBMITTED: 6-5-84

BY: Charles Burm

RECEIVED
JUN 05 1984
RECEIVED

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

HYDROLOGY SECTION PROJ. NO. F18 DATE: 5/16/84

PLANNING DIVISION NO. _____

## CONFERENCE RECAP

SUBJECT: PORTION OF TRC 2 + ALL TRC 1, REPLAT OF MUNICIPAL SUBD.

| WHO | REPRESENTING |
|---|---|
| ATTENDANCE: CHARLES BURM | |
| FRED J. NAVARRE | |

FINDINGS:

1. DRAINAGE PLAN REQUIRED IN ACCORDANCE WITH D.P.M.
2. CONTROLLED DISCHARGE REQUIRED FOR THE INCREASED RUNOFF CREATED BY THIS DEVELOPMENT
3. OFFSITE FLOWS MUST BE ACCEPTED AND ROUTED THRU THE SITE TO A PUBLIC R/W OR EASEMENT. IF OFFSITE FLOWS ARE ROUTED THRU A POND THE ~~OVERFLOW~~ EMERGENCY DISCHARGE WILL BE ALLOWED ~~OVER~~ TO SPILL OVER THE SIDEWALK WITH ADEQUATE EROSION PROTECTION

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: Fred J. Navarre
TITLE: [illegible]
DATE: 5/16/84

SIGNED: Charles Burm
TITLE: Civil Engineer
DATE: 5-16-84

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

HYDROLOGY SECTION PROJ. NO. F-18 DATE: 3/12/84

PLANNING DIVISION NO. _____

CONFERENCE RECAP

SUBJECT: Gorman's Clothing Retailer

| WHO | REPRESENTING |
|---|---|
| ATTENDANCE: David Alonzo | |
| Billy Goolsby | |

FINDINGS: ① Drainage Plan per DPM required
② Controlled discharge to Montgomery because of downstream flooding. Existing off-site can be routed through site and discharged. Preferrable to route through ponding area. Discharge to be 0.5 cfs/ac unless demonstrated that there is more capacity downstream under developed conditions. Water surface to be 15' min. away from building unless lining is provided.
Please provide copy of recap w/ submittal

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: Billy J. Goolsby SIGNED: [illegible]
TITLE: CE/Hydrology TITLE: CE
DATE: 3/12/84 DATE: 3/12/84

# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

**DESIGN HYDROLOGY SECTION**
**123 Central NW, Albuquerque, NM 87102**
**(505) 766-7644**


June 27, 1984

Mr. Jake Bordenave
DMJM/Adam, Hamlyn, Anderson
4055 Montgomery Boulevard NE, Suite A
Albuquerque, NM 87109

REF: GRADING AND DRAINAGE PLAN FOR GERMERS CLOTHING RETAILER (F18-D27)
RECEIVED JUNE 27, 1984

Dear Jake:

The above referenced plan, dated June 8, 1984, is approved.

Please attach a copy of this plan to the construction set prior to the release of the building permit.

It is understood by this section that the "Drainage Facilities Within Public R/W" will be included in the proposed improvements on Montgomery Boulevard. Please provide verification of this understanding.

If I can be of further assistance, please contact me at 766-7644.

Yours truly,

Billy J. Goolsby

Billy J. Goolsby, PE
City/County Flood Plain Admin.

BJG:mrk

cc: Greg Olson

| DMJM / AHA ALBUQUERQUE | PROJECT Germain's | PROJECT NO 4630-03-01 | | PAGE 7 |
|---|---|---|---|---|
| | | BY: C. Burm | DATE: 6-27-84 | |

SUBJECT Drainage Calc's F-18 D-27

AREA BETWEEN BUILDINGS - EAST SIDE OF LOT

204' x 5' = 1020 S.F. = 0.023 Ac

Peak Q if $T_c$ = 10 min.

$Q_{100}$ = (0.40)(4.86)(0.023)

= 0.04 cfs.

EVEN at TWICE this Q which would include that are from the property in the front can be handled in a 10' wide area at less than 0.01' if the velocity is at least 1 ft/sec

Therefore the Q is insignificant.

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

HYDROLOGY SECTION PROJ. NO. F18 DATE: 5/16/84

PLANNING DIVISION NO. _____

## CONFERENCE RECAP

SUBJECT: PORTION OF TRC 2 + ALL TRC 1, REPORT OF MUNICIPAL SUBD.

| WHO | REPRESENTING |
|---|---|
| ATTENDANCE: CHARLES BURM | |
| FRED J. AGUIRRE | |

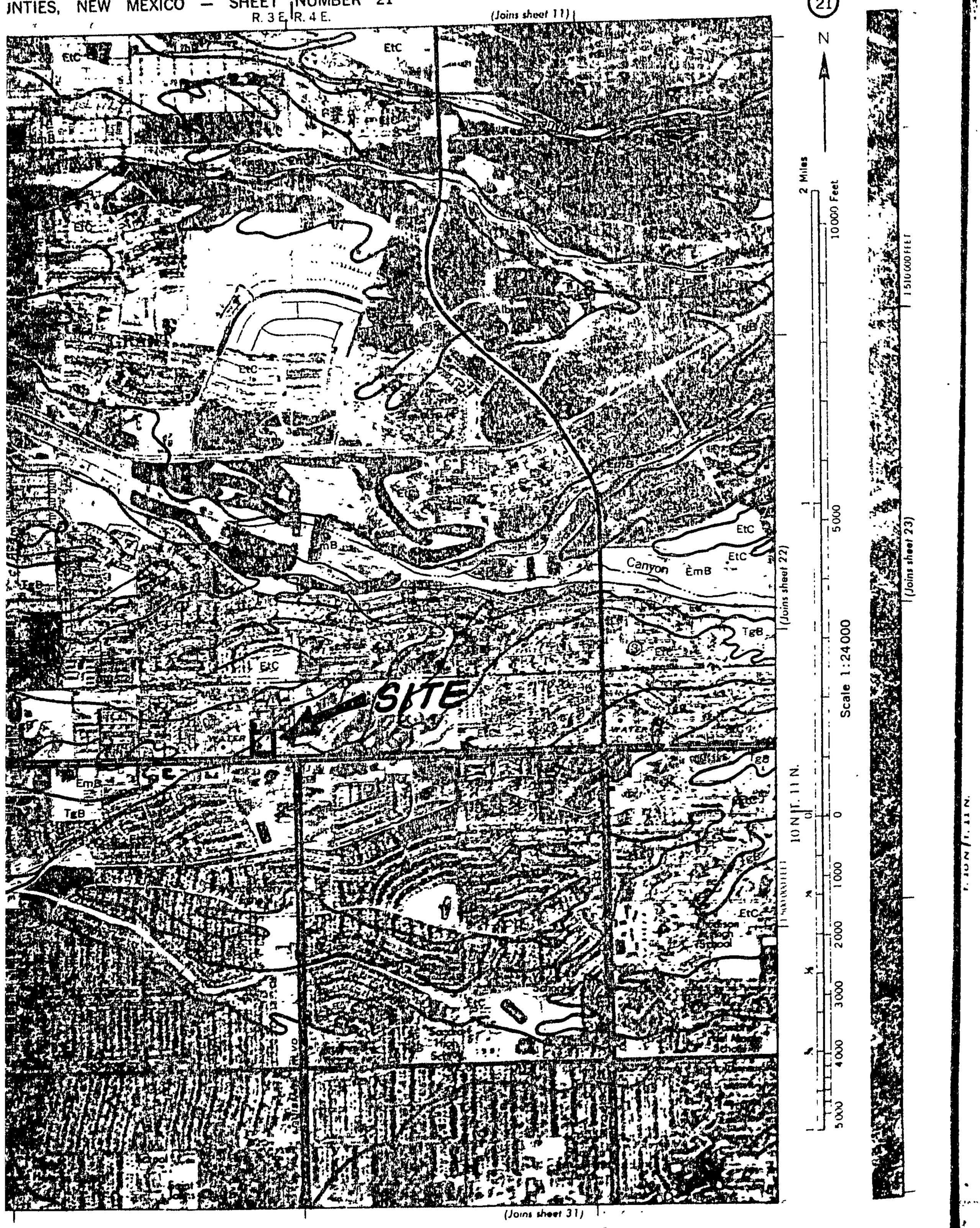
FINDINGS:

1. DRAINAGE PLAN REQUIRED IN ACCORDANCE WITH D.P.M.
2. CONTROLLED DISCHARGE REQUIRED FOR THE INCREASED RUNOFF CREATED BY THIS DEVELOPMENT
3. OFFSITE FLOWS MUST BE ACCEPTED AND ROUTED THRU THE SITE TO A PUBLIC R/W OR EASEMENT. IF OFFSITE FLOWS ARE ROUTED THRU A POND the ~~OVERFLOW~~ EMERGENCY DISCHARGE WILL BE ALLOWED ~~OVER~~ TO SPILL OVER THE SIDEWALK WITH ADEQUATE EROSION PROTECTION

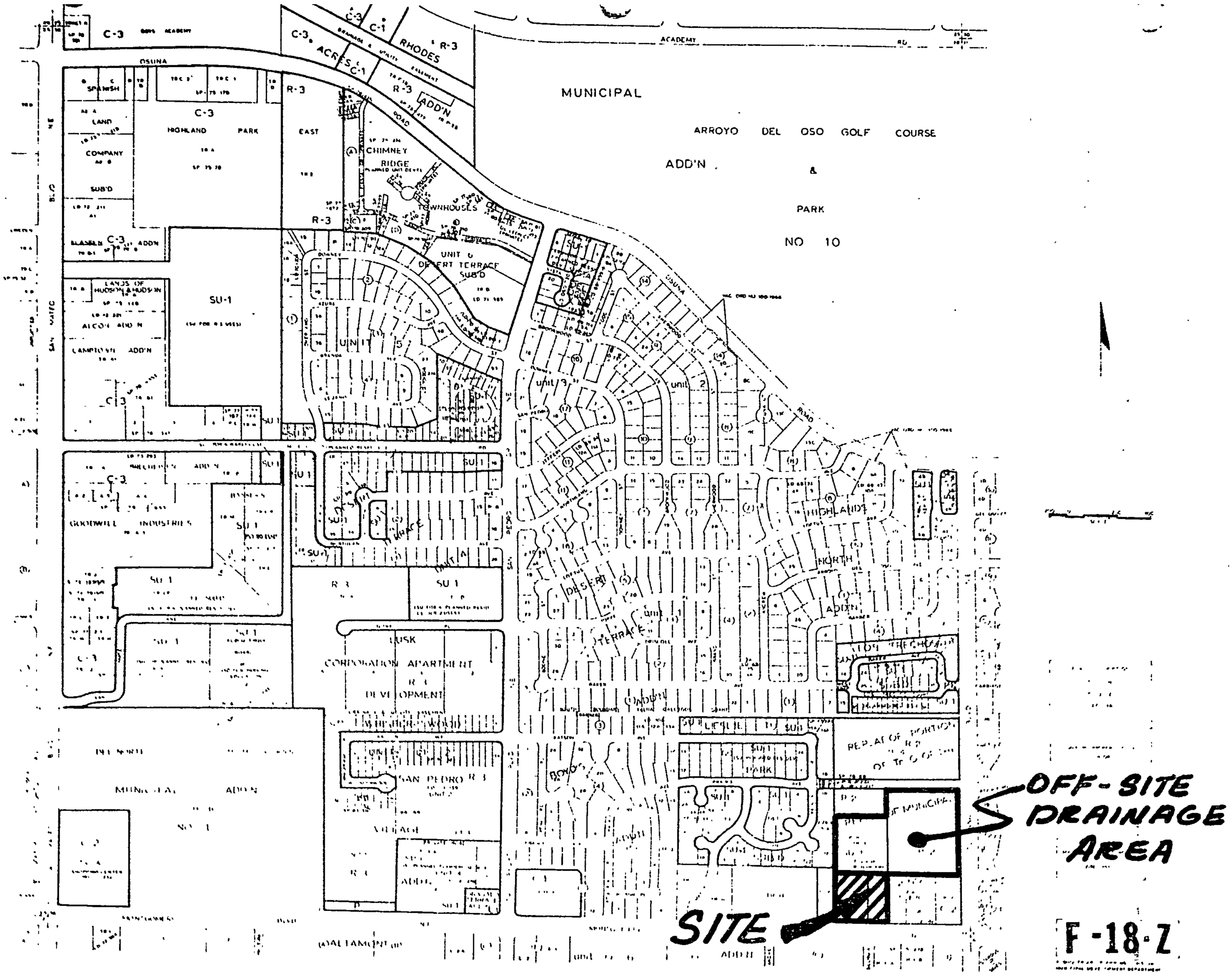
The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

SIGNED: Fred J. Aguirre
TITLE: _____
DATE: 5/16/84

SIGNED: Charles Burm
TITLE: Project Engineer
DATE: 5-16-84


21
R. 3 E. R. 4 E.
(Joins sheet 11)
N
2 Miles
10000 Feet
1 510 000 FEET
EtC
EmB
TgB
Canyon
(Joins sheet 22)
(Joins sheet 23)
SITE
WATER
T. 10 N. T. 11 N.
Scale 1:24000
5000 4000 3000 2000 1000 0
(Joins sheet 31)

Dwg. № 1


MUNICIPAL
ARROYO DEL OSO GOLF COURSE
ADD'N
&
PARK
NO 10
ACADEMY
OSUNA
RHODES
ACRES
CHIMNEY
RIDGE
TOWNHOUSES
UNIT 6
DESERT TERRACE
SUB'D
UNIT 5
unit 3
unit 2
HIGHLAND
NORTH
ADD'N
HIGHLAND
PARK
EAST
SPANISH
LAND
COMPANY
SUB'D
SU-1
LANDS OF HUDSON & HUDSON
ALCON ADD'N
CAMPTOWN ADD'N
GOODWILL INDUSTRIES
CORPORATION APARTMENT
DEVELOPMENT
SAN PEDRO
VILLAGE
PARK
REPLAT OF PORTION
OF MUNICIPAL
OFF-SITE
DRAINAGE
AREA
SITE

F-18-Z

Dwg. № 2

Dwg. № 3

ERATED BY BOHANNAN–HUSTON,
TING TOPOGRAPHY ACQUIRED BY
ERQUE METROPOLITAN ARROYO

ORTHOPHOTOGRAPHY ACCOMPLISHED FROM VERTICAL AERIAL PHOTOGRAPHY EX-
POSED IN A ZEISS RMK/A, LENS SERIAL NO. 98144, ON 10-8-80.
STEREOCOMPILATION AND FINAL DRAFTING ACCOMPLISHED BY BOHANNAN--HUSTON,
INC., AND BY AUTHORIZED AGENTS OF THE CITY OF ALBUQUERQUE, AND THE

| DMJM / AHA ALBUQUERQUE | PROJECT GERMER'S | PROJECT NO 4630.03-01 | | PAGE 1 |
|---|---|---|---|---|
| | | BY: C. Buem | DATE: 5-29-84 | |
| SUBJECT DRAINAGE CALCULATIONS | | | | |

EXISTING CONDITIONS:

SOIL TYPE: EtC and/or TgB

Embudo - Tijeras

Hydrologic Soil Group 'B'
(see Soils map). DWG No 1

| | | |
|---|---|---|
| GERMER'S Site: | 60% IMPERVIOUS | C = 0.60 |
| UNDEVELOPED Area to the North | 0% IMPERVIOUS | C = 0.40 |
| DEVELOPED Area North + EAST | 80% IMPERVIOUS | C = 0.78 |

OFF SITE DRAINAGE AREAS:
SEE DWG No 2 + No. 3

UNDEVELOPED AREA = 2.3 Ac.

DEVELOPED AREA = 4.5 Ac

UNDEVELOPED AREA is GENERALLY SHEET FLOW IN a SOUTHERLY DIRECTION.

DEVELOPED AREA is CONCENTRATED AT THE SOUTH WESTERN CORNER AND DISCHARGE IS WESTERLY THROUGH A LANDSCAPE STRIP along the south EDGE OF THAT DEVELOPMENT.

| DMJM / AHA ALBUQUERQUE | PROJECT GERMER'S | PROJECT NO 4630-01.01 | | PAGE 2 |
|---|---|---|---|---|
| | | BY: C. Burn. | DATE: 5-29-8. | |
| SUBJECT DRAINAGE CALC | | | | |

existing Cond Cont.

RAINFALL = 2.3" (Plate 22.2 D-1)

$I = 6.84(2.3)(t_c^{-0.51})$ in/hr

OFF-SITE Q's

UNDEVELOPED AREA =

$Q_{100} = CIA$

$t_c = 10$ min  $I = 4.86$ "/hr

$Q_{100} = (0.4)(2.3)(4.86)$

$= 4.5$ cfs

$Q_{10} = (.657)(Q_{100})$

$= 2.9$ cfs

Developed Area =

$Q_{100} = CIA$

$t_c = 11$ min  $= (500/.85 + 150/1.9)/60$

$I = 4.63$ "/hr

$Q_{100} = (0.78)(4.5)(4.63)$

$= 16.2$ cfs

$Q_{10} = (.657)(Q_{100})$

$= 10.6$ cfs

| DMJM / AHA ALBUQUERQUE | PROJECT Germer's | PROJECT NO. 4630-03-01 | | PAGE 3 |
|---|---|---|---|---|
| | | BY: C. Burm | DATE: 5-29-84 | |

SUBJECT DRAINAGE CALCULATIONS

Exist. Cond. Cont.

GERMER'S SITE

$Q_{100} = CIA$

$t_c = 10$ min. $\quad I = 4.86$ "/hr.

$Q_{100} = 0.60\,(4.86)(2.06)$

$= 6.0$ cfs.

$Q_{10} = .657\,(Q_{100}) = 3.9$ cfs.

Total Discharge from Drainage Basin to Montgomery BLVD.

$Q_{100} = C.I.A$

$t_c = 17$ min. $= T_{c_{DA}} + (300/85)/60 = 11 + 5.8$

$I = 3.7$

$Q_{100} = 3.7\,((0.6 * 2.06) + 0.40\,(2.3) + 0.78\,(4.5))$

$= 21$ cfs.

4.5
16.2
6
26.7

| DMJM / AHA ALBUQUERQUE | PROJECT Germer's | PROJECT NO 4630.03.01 | | PAGE 4 |
|---|---|---|---|---|
| | | BY: C. Burm | DATE: 5-29-84 | |

SUBJECT Drainage Calculations

## Developed Conditions:

The undeveloped Area to the North is assumed to be Limited to Discharge of the Pre Development conditions.

The Developed Area to the North East shall be routed along the North Property line to the Access Drive and then be allowed to run across the Parking Area to the Drainage Basin on the south side of the Germer's site.

The Germers site will be routed to the Basin in the south side of the site and will be sized for the Germer's site only. The off-site flow will be allowed to enter the basin but the flows will not be included in the size of the basin. The Discharge for the Germers site is allowed up to the predevelopement Q's

The basin will be provided with an over flow spill way to handle the off-site flows.

| DMJM / AHA ALBUQUERQUE | PROJECT GERMER'S | PROJECT NO. 4630-03-01 | | PAGE 5 |
|---|---|---|---|---|
| | | BY: C. Burm | DATE: 5-30-84 | |
| SUBJECT DRAINAGE CALCULATIONS | | | | |

GERMER'S SITE:

Roof Area : 19,008 S.F. C = 0.98

SIDEWALK AREA : 2970 S.F. C = 0.98

PAVED AREA : 56,022 S.F. C = 0.95

LANDSCAPED AREA : 12,000 S.F. C = 0.30

EFFECTIVE AREA DRAINING TO BASIN

$A_{EFF}$ = 76,060 S.F.

BASIN = Bottom Area = 1820 S.F. ELEV: 92.5

Top Area = 4280 S.F. ELEV: 94.5

Peak Q (from BASIN Routing.)

$Q_p$ = 5.1 cfs.

OUTLETS 3 - 8" Pipes

provide 1' wide Sidewalk Culverts for each pipe.

| DMJM / AHA ALBUQUERQUE | PROJECT Garmer's | PROJECT NO. 4630-03-01 | PAGE 6 |
|---|---|---|---|
| | | BY: C. Burn / DATE: 5-30-84 | |

SUBJECT DRAINAGE CALCULA.

OVER FLOW SECTION FOR OFF-SITE FLOWS

OFF-SITE FLOW = 20.7 cfs.

USE WEIR SECTION

$Q = CLH^{3/2}$

$C = 2.6$ (Broad Crested)

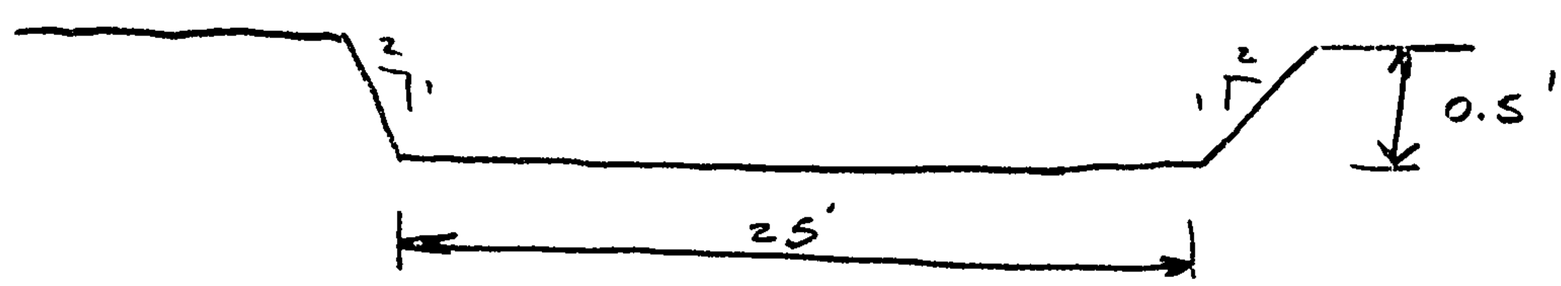
$L = 25'$

$H^{3/2} = 20.7/(25)(2.6)$

$= .31$

$H \quad 0.46'$

SECTION for OVER FLOW




USE 3" Plus ROCK for EROSION CONTROL for Spillway section.

# BASIN ROUTING

DMJM/NM
4055 MONTGOMERY BLVD, NE
ALBUQUERQUE, NEW MEXICO 87109

PROJECT: GERMER'S
DATE: 5/31/84

EFFECTIVE AREA 76060 SQ.FT.
TOTAL RAINFALL 2.30 INCHES

STORAGE BASIN

| ELEV | AREA SQ.FT. | VOLUME CU.FT. |
|---|---|---|
| 92.50 | 1820 | 0 |
| 94.00 | 4280 | 4575 |

INFILTRATION 1ST HALF HOUR = 0.00 IN./HR.
INFILTRATION 2ND HALF HOUR = 0.00 IN./HR.
INFILTRATION AFTER 1 HOUR = 0.00 IN./HR.

OUTLET INFORMATION:

ROUND ORIFICE

| DIAMETER INCHES | INVERT ELEV. |
|---|---|
| 8.0 | 92.50 |
| 8.0 | 92.50 |
| 8.0 | 92.50 |

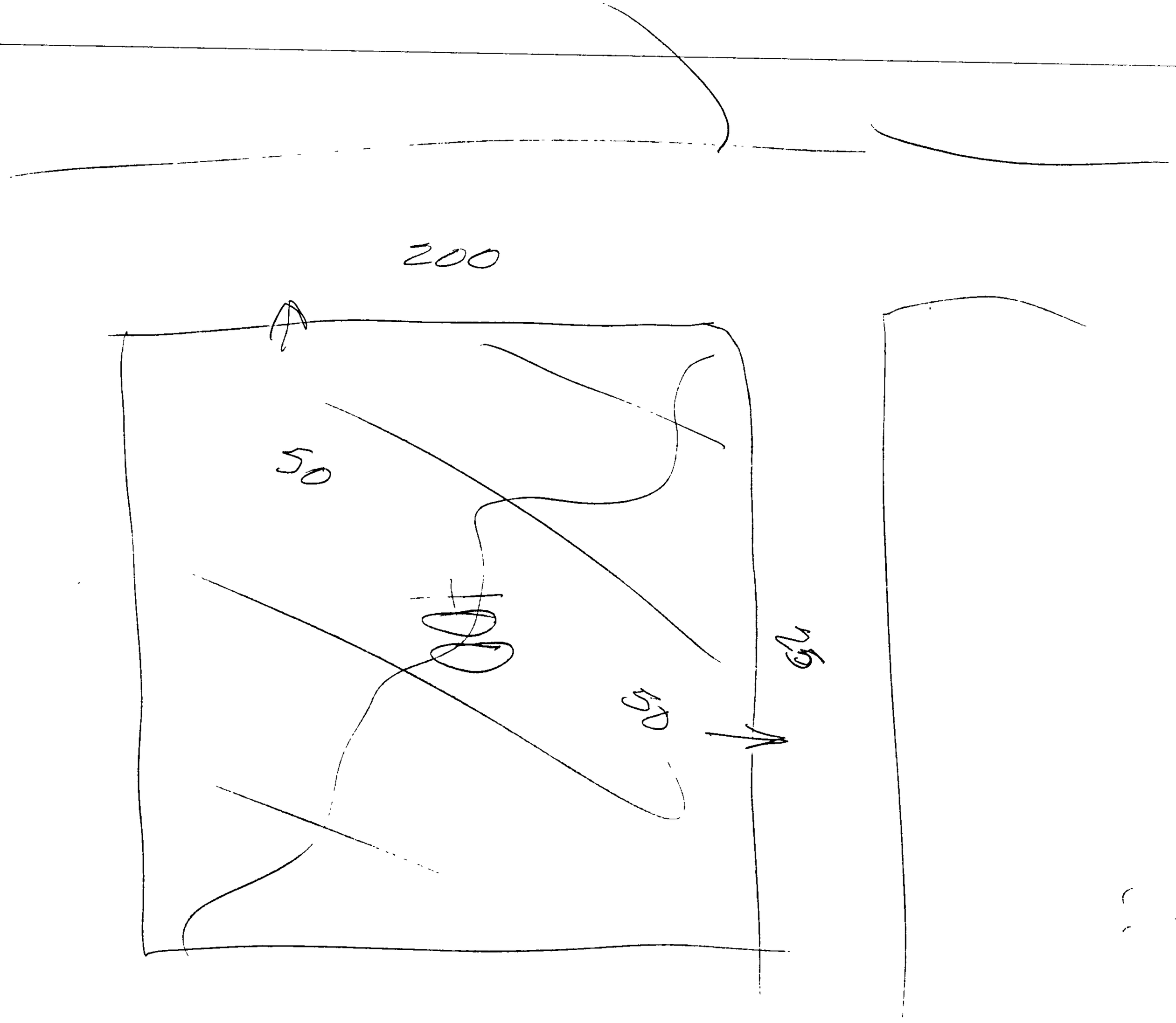
WEIR

| LENGTH FEET | INVERT ELEV. |
|---|---|
| 25.00 | 94.00 |

| TIME | RAINFALL | ACCUM. INFLOW | POND ELEV. | AVG. POND ELEV. | ACCUM. OUTFLOW | STORAGE |
|---|---|---|---|---|---|---|
| MIN. | INCHES | CUBIC FEET | | | CUBIC FEET | CUBIC FEET |
| 0 | 0.000 | 0 | 92.500 | 92.500 | 0 | 0 |
| | INFILTRATION | | | 0 CU.FT. | | |
| | ORIFICE FLOW | | 0.287 CFS | 86 CU.FT. | | |
| | WEIR FLOW | | 0.000 CFS | 0 CU.FT. | | |
| 5 | 0.131 | 830 | 92.853 | 92.676 | 86 | 744 |
| | INFILTRATION | | | 0 CU.FT. | | |
| | ORIFICE FLOW | | 1.656 CFS | 497 CU.FT. | | |
| | WEIR FLOW | | 0.000 CFS | 0 CU.FT. | | |
| 10 | 0.294 | 1866 | 93.062 | 92.957 | 583 | 1282 |
| | INFILTRATION | | | 0 CU.FT. | | |
| | ORIFICE FLOW | | 3.329 CFS | 998 CU.FT. | | |
| | WEIR FLOW | | 0.000 CFS | 0 CU.FT. | | |
| 15 | 0.653 | 4140 | 93.476 | 93.269 | 1582 | 2558 |
| | INFILTRATION | | | 0 CU.FT. | | |
| | ORIFICE FLOW | | 4.597 CFS | 1379 CU.FT. | | |
| | WEIR FLOW | | 0.000 CFS | 0 CU.FT. | | |
| 20 | 1.092 | 6924 | 93.852 | 93.664 | 2961 | 3963 |
| | INFILTRATION | | | 0 CU.FT. | | |
| | ORIFICE FLOW | | 4.951 CFS | 1485 CU.FT. | | |
| | WEIR FLOW | | 0.000 CFS | 0 CU.FT. | | |
| 25 | 1.258 | 7974 | 93.742 | 93.797 | 4446 | 3527 |
| | INFILTRATION | | | 0 CU.FT. | | |
| | ORIFICE FLOW | | 4.578 CFS | 1373 CU.FT. | | |
| | WEIR FLOW | | 0.000 CFS | 0 CU.FT. | | |
| 30 | 1.375 | 8717 | 93.573 | 93.657 | 5820 | 2897 |
| | INFILTRATION | | | 0 CU.FT. | | |
| | ORIFICE FLOW | | 3.867 CFS | 2320 CU.FT. | | |
| | WEIR FLOW | | 0.000 CFS | 0 CU.FT. | | |
| 40 | 1.582 | 10029 | 93.270 | 93.421 | 8141 | 1888 |
| | INFILTRATION | | | 0 CU.FT. | | |
| | ORIFICE FLOW | | 2.923 CFS | 1754 CU.FT. | | |
| | WEIR FLOW | | 0.000 CFS | 0 CU.FT. | | |
| 50 | 1.766 | 11196 | 93.068 | 93.169 | 9895 | 1300 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | INFILTRATION | | | 0 CU.FT. | | | |
| | ORIFICE FLOW | 2.184 CFS | | 1310 CU.FT. | | | |
| | WEIR FLOW | 0.000 CFS | | 0 CU.FT. | | | |
| 60 | 1.950 | 12362 | 93.015 | 93.042 | 11205 | 1156 | |
| | INFILTRATION | | | 0 CU.FT. | | | |
| | ORIFICE FLOW | 1.029 CFS | | 1235 CU.FT. | | | |
| | WEIR FLOW | 0.000 CFS | | 0 CU.FT. | | | |
| 80 | 2.019 | 12799 | 92.681 | 92.848 | 12441 | 358 | |
| | INFILTRATION | | | 0 CU.FT. | | | |
| | ORIFICE FLOW | 0.304 CFS | | 365 CU.FT. | | | |
| | WEIR FLOW | 0.000 CFS | | 0 CU.FT. | | | |
| 100 | 2.076 | 13164 | 92.681 | 92.681 | 12806 | 357 | |
| | INFILTRATION | | | 0 CU.FT. | | | |
| | ORIFICE FLOW | 0.280 CFS | | 336 CU.FT. | | | |
| | WEIR FLOW | 0.000 CFS | | 0 CU.FT. | | | |
| 120 | 2.125 | 13470 | 92.666 | 92.674 | 13143 | 326 | |
| | INFILTRATION | | | 0 CU.FT. | | | |
| | ORIFICE FLOW | 0.218 CFS | | 393 CU.FT. | | | |
| | WEIR FLOW | 0.000 CFS | | 0 CU.FT. | | | |
| 150 | 2.178 | 13805 | 92.639 | 92.653 | 13536 | 268 | |
| | INFILTRATION | | | 0 CU.FT. | | | |
| | ORIFICE FLOW | 0.150 CFS | | 270 CU.FT. | | | |
| | WEIR FLOW | 0.000 CFS | | 0 CU.FT. | | | |
| 180 | 2.212 | 14024 | 92.613 | 92.626 | 13807 | 216 | |
| | INFILTRATION | | | 0 CU.FT. | | | |
| | ORIFICE FLOW | 0.110 CFS | | 198 CU.FT. | | | |
| | WEIR FLOW | 0.000 CFS | | 0 CU.FT. | | | |
| 210 | 2.240 | 14199 | 92.601 | 92.607 | 14005 | 193 | |
| | INFILTRATION | | | 0 CU.FT. | | | |
| | ORIFICE FLOW | 0.086 CFS | | 156 CU.FT. | | | |
| | WEIR FLOW | 0.000 CFS | | 0 CU.FT. | | | |
| 240 | 2.260 | 14330 | 92.588 | 92.595 | 14161 | 168 | |
| | INFILTRATION | | | 0 CU.FT. | | | |
| | ORIFICE FLOW | 0.064 CFS | | 231 CU.FT. | | | |
| | WEIR FLOW | 0.000 CFS | | 0 CU.FT. | | | |
| 300 | 2.293 | 14534 | 92.574 | 92.581 | 14393 | 140 | |
| | INFILTRATION | | | 0 CU.FT. | | | |
| | ORIFICE FLOW | 0.031 CFS | | 112 CU.FT. | | | |
| | WEIR FLOW | 0.000 CFS | | 0 CU.FT. | | | |
| 360 | 2.300 | 14578 | 92.538 | 92.556 | 14506 | 71 | |

```
MAXIMUM OUT FLOW IS AT POND ELEV. 93.852
ORIFICE OUTFLOW IS    5.091 CFS
WEIR OUTFLOW IS       0.000 CFS
```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**DMJM**/Adam, Hamlyn, Anderson

June 27, 1984
City of Albuquerque, Engineering Dept.
Hydrology
PO Box 1293
Albuquerque, NM 87103

Attn: Mr. Billy Goolsby

Re: Germer's Grading Plan F-18 D-27

Dear Mr. Goolsby:

In response to your letter dated June 20, 1984, I offer the following comments:

comment #1 Copy of Summary Plat is enclosed.

comment #2 See pre-design meeting notes.

comment #3 Note has been added to plans for a sump pump. See Mechanical Plans for the sump Pump.

comments #4, #5, #6 & #7 Details are on the Plans.

comment #8 The only water there is is what falls there during a storm. The area is to be left natural and what does not soak into the ground makes its way to Montgomery by a swale between the buildings. See additional computation sheet for amount of flow. ? where

comment #9 Cross section of Landscaped areas are on the detail sheet. ? where

comment #10 Additional curb elevation has been added.

If there are any questions, please call.

Sincerely,

Charles B. Burm

Charles B. Burm, PE

CBB/cc1

P.S. Will send letter showing Drainage facilities on the Montgomery Blvd. Work Order. CB

RECEIVED JUN 27 1984 HYDROLOGY SECTION

A Division of
Daniel, Mann, Johnson, & Mendenhall

Suite A
4055 Montgomery Boulevard N.E.
Albuquerque, New Mexico 87109
Telephone: 505/881-1808

Planning
Engineering
Systems
Economics

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

DESIGN HYDROLOGY SECTION
123 Central NW, Albuquerque, NM 87102
(505) 766-7644

June 20, 1984

Mr. Jake Bordenave
DMJM/Adam, Hamlyn, Anderson
4055 Montgomery Boulevard NE, Suite A
Albuquerque, NM 87109

REF: GRADING AND DRAINAGE PLAN FOR GERMERS CLOTHING RETAILER (F18-D27)
RECEIVED JUNE 1, 1984

Dear Jake:

The above referenced plan, dated May 24, 1984, is hereby given conceptual approval. Prior to giving final approval the following items will need to be addressed:

1. The site will need to be replatted to remove the lotlines or a drainage covenant provided.

2. Justification has not been provided to show that 5 cfs discharge from the site is allowed. The Drainage Ordinance stipulates that the discharge from a development is determined by downstream capacity. Downstream capacities have not been addressed.

3. How is it proposed to drain the loading dock area since it is a sump? This has not been addressed nor have any details been provided.

4. The pond drains have not been identified nor details provided.

5. How is it proposed to get the water into the pond? Curb-cuts are not indicated.

6. Details for the spillway should be provided on the plan to show how it is to be built.

7. The ponded watersurface elevation should be given.

8. Where does the drainage go on the east side of the building? Please show details and provide hydraulics if a swale is proposed.

9. Landscaped areas will have to be depressed to contain nuisance waters on-site.

10. Additional TC elevations should be provided along the west property line to show interfacing with adjacent curb.

Should you have any questions or comments, please contact me at 766-7644.

Yours truly,

Billy J. Goolsby

Billy J. Goolsby, PE
City/County Flood Plain Admin.

BJG:mrk

# INFORMATION SHEET

PROJECT TITLE Germer's TYPE OF SUBMITTAL Drainage Calc's.

ZONE ATLAS PAGE NO. F-18 27 CITY ADDRESS 6917 Montgomery Blvd. N.E.

LEGAL DESCRIPTION Redivision Plat of Tracts 2T & 3T of Taylor's Nursery

ENGINEERING FIRM DMJM/Adam,Hamlyn,Anderson CONTACT Mr. Charles Burm

ADDRESS 4055 Mongomery Blvd Suite A PHONE 881-1808

OWNER Germer's CONTACT

ADDRESS PHONE

ARCHITECT Schlegel & Lewis CONTACT Mr. Joe Brawley

ADDRESS 1620 Central Ave SE PHONE 247-1529

SURVEYOR DMJM/Adam,Hamlyn, Anderson CONTACT Mr. Walt Richards

ADDRESS 4055 Montgomery Blvd Suite A PHONE 881-1808

CONTRACTOR Jaynes Corporation CONTACT Mr. Rick Marquardt

ADDRESS 2906 Broadway NE PHONE 345-8591

PRE-DESIGN MEETING:

X YES
___ NO
X COPY OF CONFERENCE RECAP SHEET PROVIDED

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
* X SITE DEVELOPMENT PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
___ GRADING/PAVING PERMIT APPROVAL
___ OTHER _____ (SPECIFY)

DATE SUBMITTED: 6-1-84

BY: Charles Burm

* SUPPLEMENT TO THE CONCEPTUAL PLAN SUBMITTED 5/24/84

# DMJM/ Adam, Hamlyn, Anderson


Reply To: ☐ Phoenix, Arizona 85014 — 4751 North Fifteenth Street — 602-264-1397
☒ Albuquerque, NM 87109 — 4055 Montgomery Blvd. N.E. — 505-881-1808


## LETTER OF TRANSMITTAL

TO: City of Albuquerque
Hydrology

ATTN: Mr. Fred Aguirre

| DATE: | PROJECT NO. |
|---|---|
| 6-1-84 | 4630-03-01 |

PROJECT: Germer's

WE TRANSMIT:

(X) herewith ( ) under separate cover via _____
( ) in accordance with your request _____

FOR YOUR:

(X) approval ( ) distribution to parties ( ) information
( ) review & comment ( ) record
( ) use ( ) _____

THE FOLLOWING:

( ) prints ( ) copy of letter ( ) change order
( ) originals ( ) specifications (X) calculations
( ) shop drawings ( ) _____

| Copies | Dwg. No. | DESCRIPTION | Action Code |
|---|---|---|---|
| 1 | | Conference Recap | |
| 1 | | DRAINAGE CALCULATIONS | E |
| | | | |
| | | | |
| | | | |

Action Code
A. REVIEWED
B. REVIEWED AS NOTED
C. REVISE & RESUBMIT
D. REJECTED
E. See REMARKS below

REMARKS: Fred, Here is the calculations for the Germer's Project. As soon as the construction Details are drafted for the spillway and outlets I will submit the revised plan. Any questions, please Call.

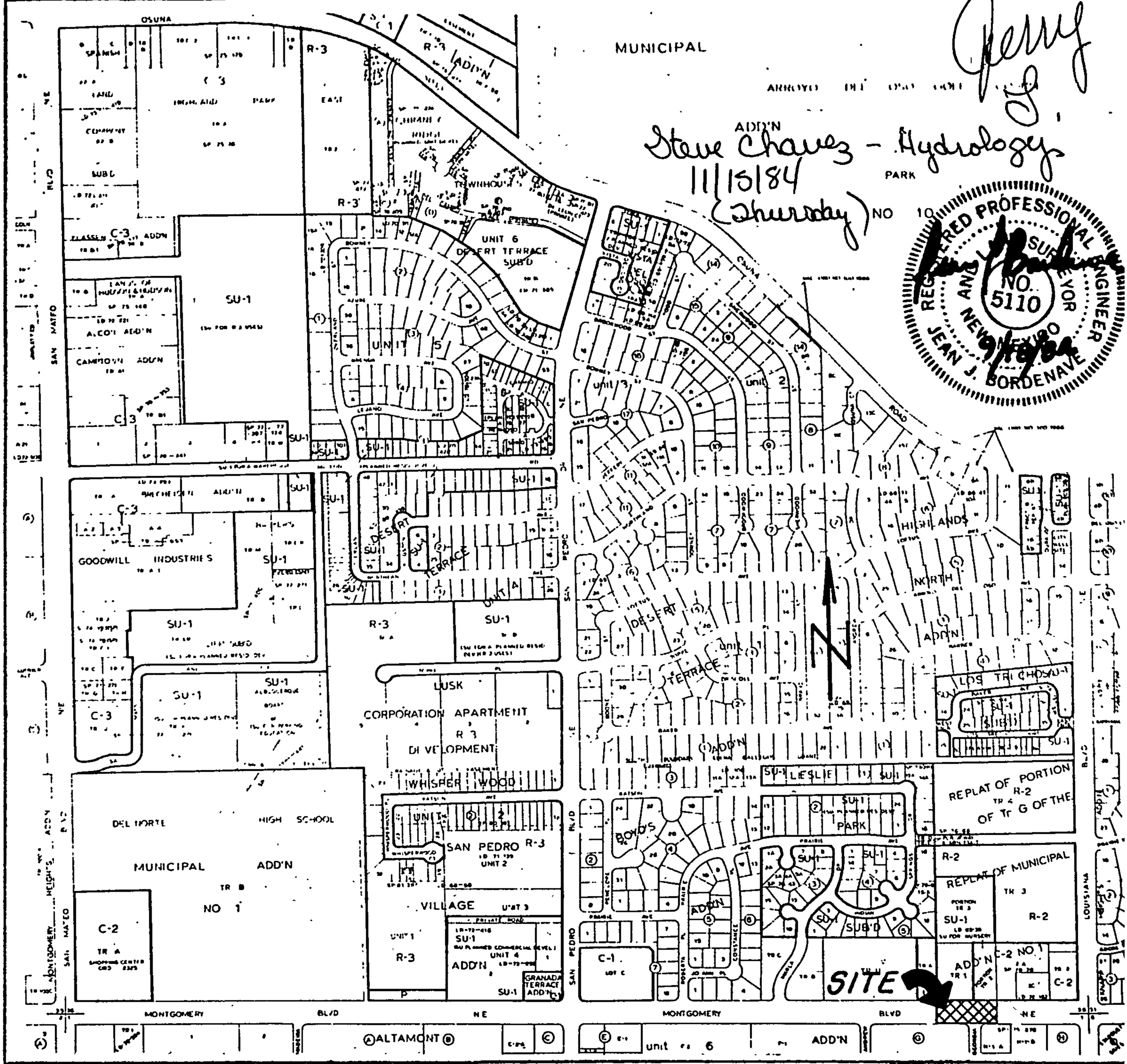
COPIES TO: file

If enclosures are not as noted, please inform us immediately.

SIGNED: Charles Burn

# CITY OF ALBUQUERQUE

## DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY




NOTICE TO CONTRACTOR

F18-D27

1. An excavation/construction permit will be required before beginning any work within City right-of-way. An approved copy of these plans must be submitted at the time of application for this permit.

2. All work detailed on these plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with "Public Works Contract No. 84-1".

3. Two working days prior to any excavation, contractor must contact Line Locating Service, 765-1234, for location of existing utilities.

4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.

5. Backfill compaction shall be according to ARTERIAL street use.

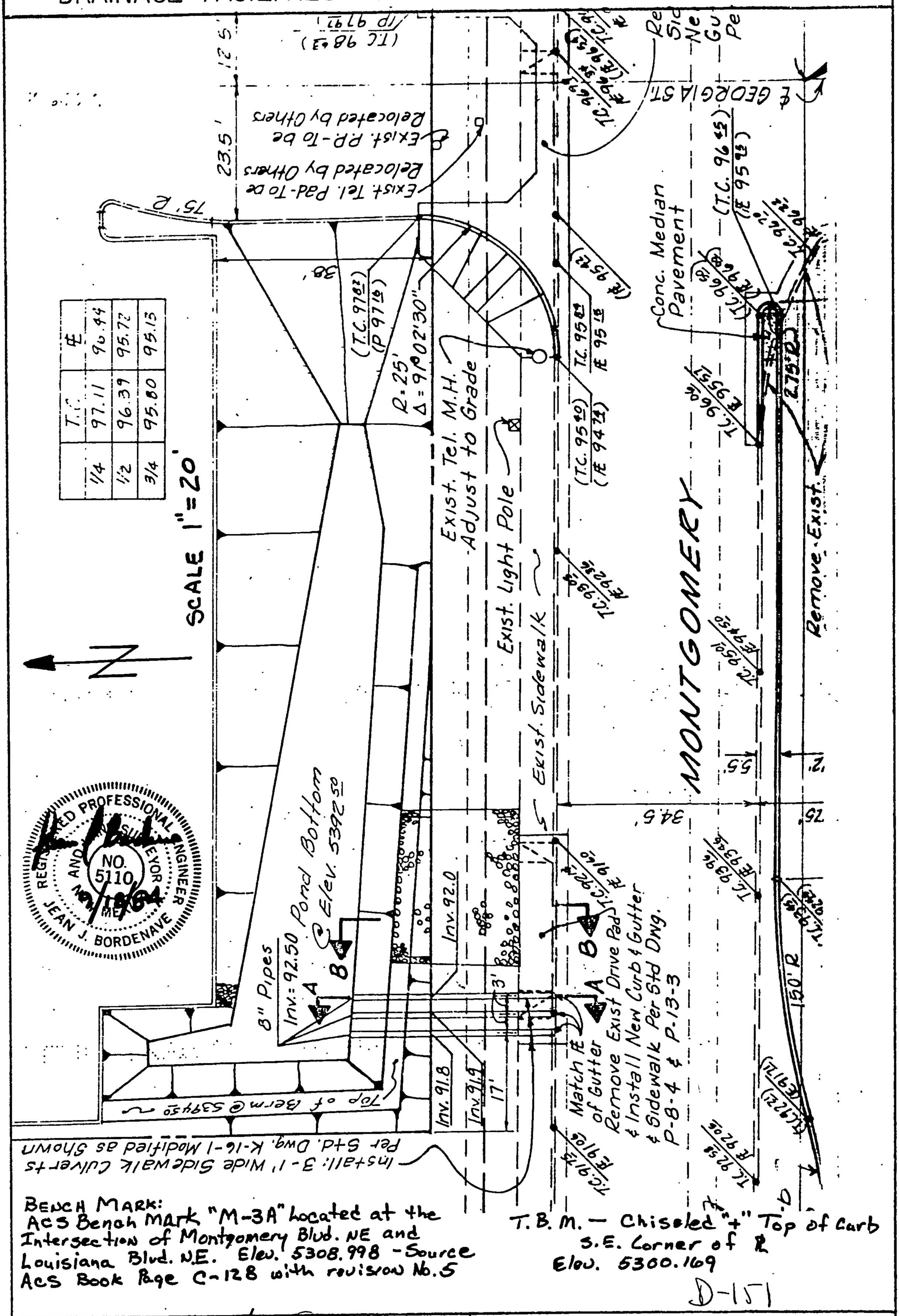
Jaynes Corp. Okay JBN

D-151

| APPROVALS | NAME | DATE | TITLE: GERMER'S 6917 MONTGOMERY N.E. | |
|---|---|---|---|---|
| A.C.E./DESIGN | | 10/02/84 | | |
| INSPECTOR | Jerry G | 11/13/84 | PERMIT NO. 15850 | MAP |
| A.C.E./FIELD | | 11/15/84 | SHEET 1 OF 4 | NO. F-18 |

# CITY OF ALBUQUERQUE

## DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY




| | T.C. | ℄ |
|---|---|---|
| 1/4 | 97.11 | 96.44 |
| 1/2 | 96.39 | 95.72 |
| 3/4 | 95.80 | 95.13 |

BENCH MARK:
ACS Bench Mark "M-3A" located at the Intersection of Montgomery Blvd. NE and Louisiana Blvd. N.E. Elev. 5308.998 - Source ACS Book Page C-128 with revision No. 5

T.B.M. — Chiseled "+" Top of Curb S.E. Corner of ℄ Elev. 5300.169

D-151

| APPROVALS | NAME | DATE |
|---|---|---|
| A.C.E./DESIGN | | 10/02/84 |
| INSPECTOR | | 11/13/84 |
| A.C.E./FIELD | | 11/15/84 |

TITLE: GERMER'S 6917 MONTGOMERY N.E.

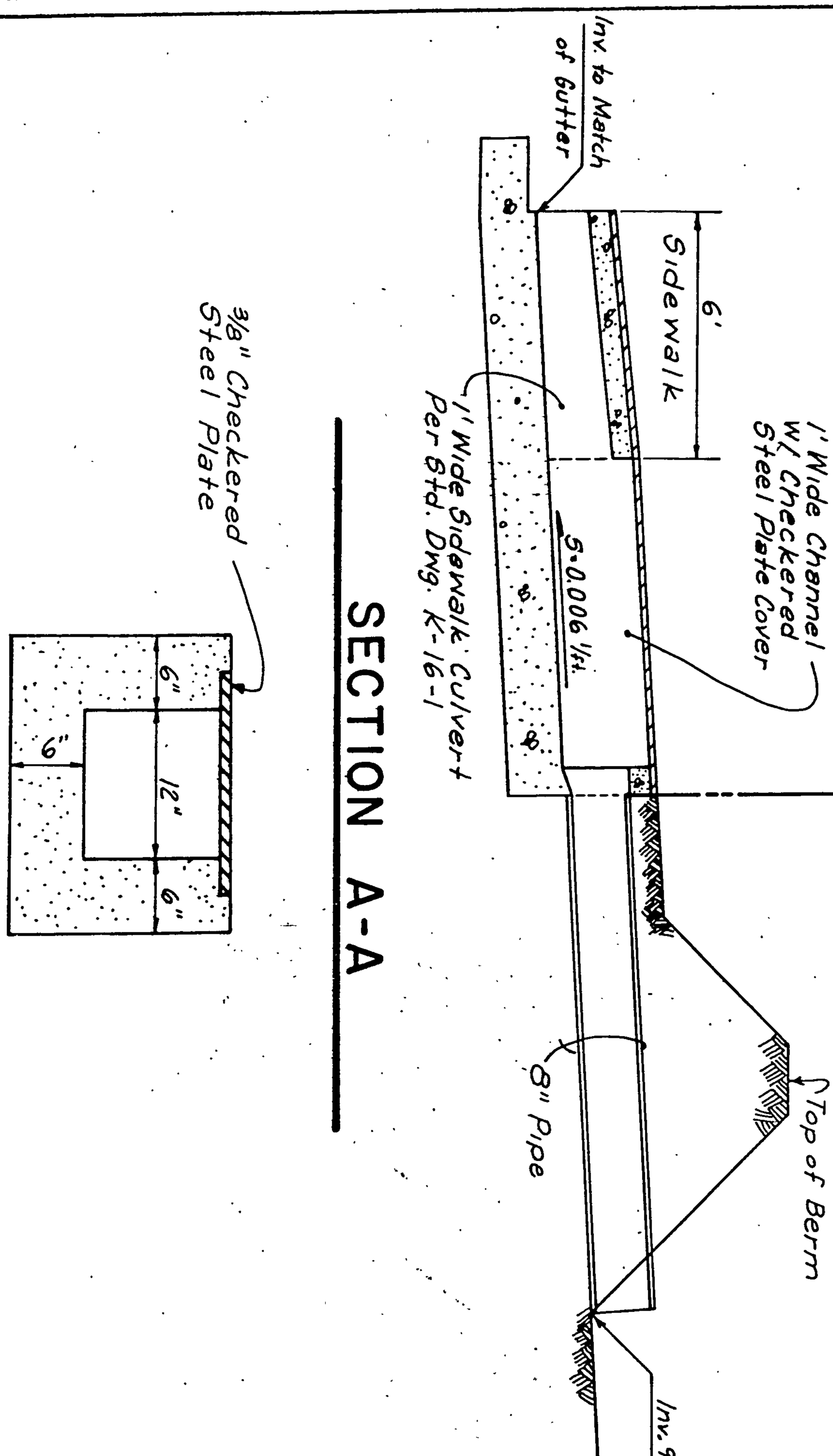
PERMIT NO.

SHEET 2 OF 4

MAP NO. F-18

# CITY OF ALBUQUERQUE

## DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY




SECTION A-A




1' WIDE CHANNEL

# OUTLET DETAILS

D-151

| APPROVALS | NAME | DATE |
|---|---|---|
| A.C.E./DESIGN | | 10/02/84 |
| INSPECTOR | | 11/14/84 |
| A.C.E. / FIELD | | 11/15/84 |

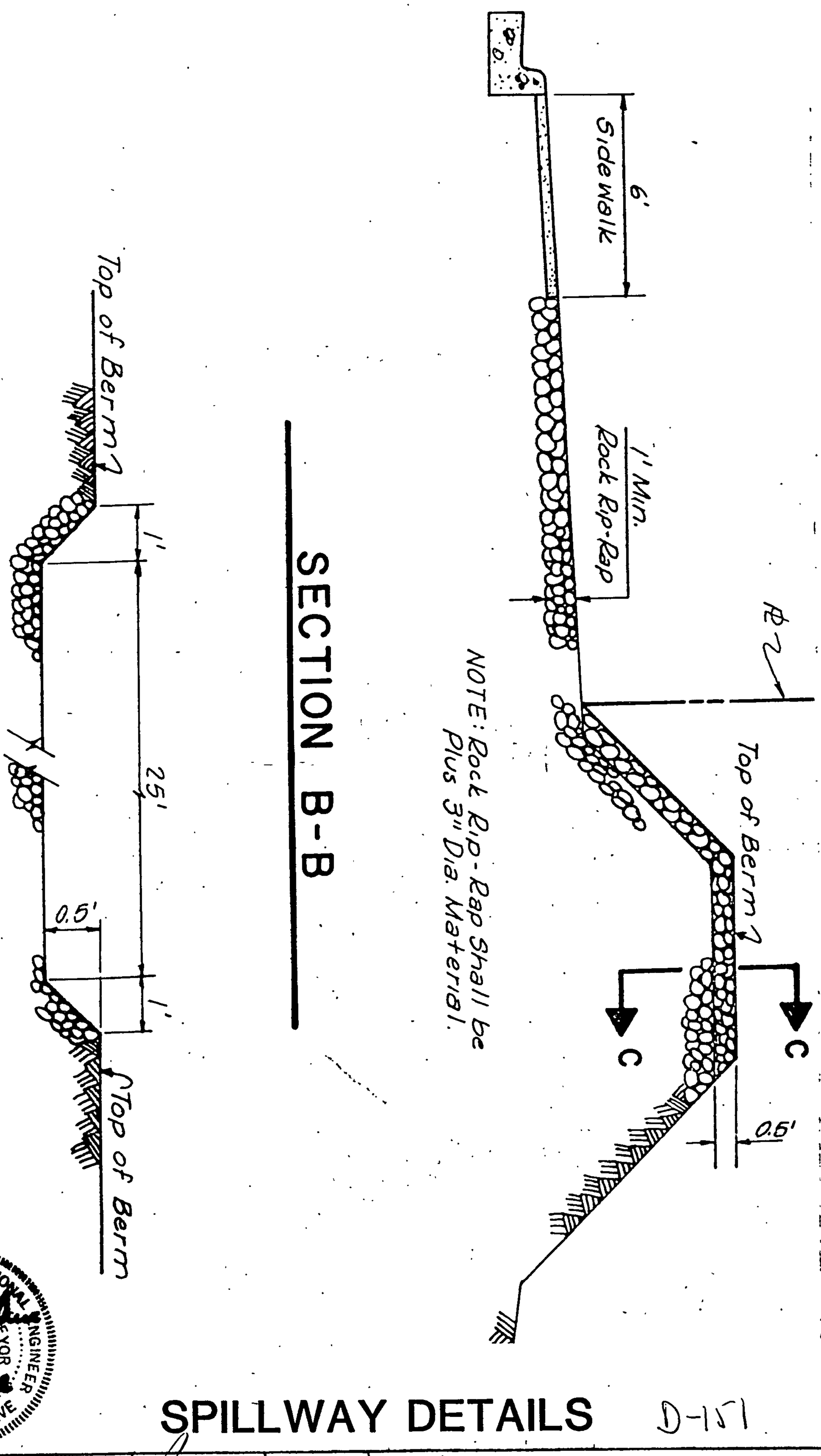
TITLE: GERMER'S 6917 MONTGOMERY N.E.

PERMIT NO. SHEET 3 OF 4

MAP NO. F-18

# CITY OF ALBUQUERQUE

## DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY




SECTION B-B

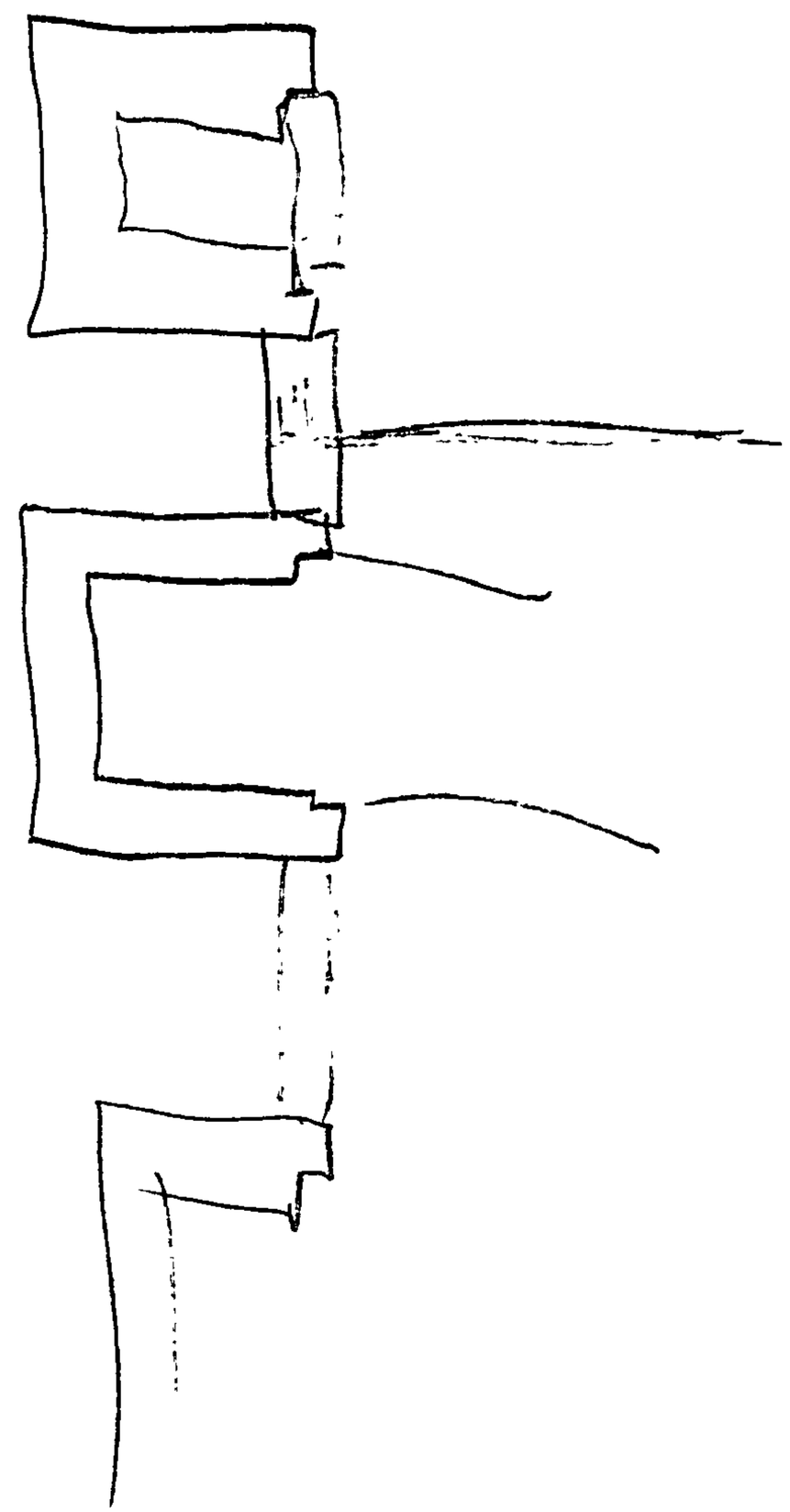
SECTION C-C

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
NO. 5110
JEAN J. BORDENAVE
NEW MEXICO

# SPILLWAY DETAILS

D-151

| APPROVALS | NAME | DATE | TITLE: GERMER'S 6917 MONTGOMERY N.E. |
|---|---|---|---|
| A.C.E./DESIGN | | 10/0/84 | |
| INSPECTOR | | 11/13/84 | PERMIT NO. |
| A.C.E. / FIELD | | 11/15/84 | SHEET 4 OF 4 — MAP NO. F-18 |



7220

2 plants

# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

**DESIGN HYDROLOGY SECTION**
**123 Central NW, Albuquerque, NM 87102**
**(505) 766-7644**


RECEIVED DMJM ADAM, HAMLYN, ANDERSON ALBUQUERQUE, N.M.

June 20, 1984

RECEIVED JUN 27 1984

Mr. Jake Bordenave
DMJM/Adam, Hamlyn, Anderson
4055 Montgomery Boulevard NE, Suite A
Albuquerque, NM 87109

REF: GRADING AND DRAINAGE PLAN FOR GERMERS CLOTHING RETAILER (F18-D27)
RECEIVED JUNE 1, 1984

Dear Jake:

The above referenced plan, dated May 24, 1984, is hereby given conceptual approval. Prior to giving final approval the following items will need to be addressed:

1. The site will need to be replatted to remove the lotlines or a drainage covenant provided.

2. Justification has not been provided to show that 5 cfs discharge from the site is allowed. The Drainage Ordinance stipulates that the discharge from a development is determined by downstream capacity. Downstream capacities have not been addressed.

3. How is it proposed to drain the loading dock area since it is a sump? This has not been addressed nor have any details been provided.

4. The pond drains have not been identified nor details provided.

5. How is it proposed to get the water into the pond? Curb-cuts are not indicated.

6. Details for the spillway should be provided on the plan to show how it is to be built.

7. The ponded watersurface elevation should be given.

RECEIVED JUN 27 1984 HYDROLOGY SECTION

Address 6915 Montgomery NG Engr/Arch

Plans Approved Cond.

Comments: FIB-027

Inspection Requested Contractor

Appr. Disappr. 30 Day Temp.

Comments: Never given Final Inspection Approval
Eng was going to get use a revised
Plan. See Card in Inspection File.