PUBLIC WORKS/HYDROLOGY

F18/D45

0000 0000 1646

F18/D45

25×10

0000 0000 1697

Cubby Hole Mini Storage
6917 Montgomery, NE

Permit#: 8905650

RECEIVED
APR 11 1990
HYDROLOGY DIVISION

PUBLIC WORKS DEPARTMENT
SIDEWALK & ~~DRIVEWAY~~ Drains INSPECTION
APPROVED
Inspector
Phone 768-2551

Date 3-26-90 Permit No. 902022
Contractor SunBelt Const.
Location 6917 Montgomery NE
Time

25×10

0000 0000 1648

Photograph(s)
Follow
Which Do Not
Always
Reproduce
Well

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F-18/D45
S17 MONTGOMERY
1-2 89

F 18/D45
S/17 MONTGOMERY
PE 1-2-89

ESPEY,
HUSTON &
ASSOCIATES, INC.
Engineering & Environmental Consultants

RECEIVED
DEC 13 1990
HYDROLOGY DIVISION

PWD/ENGINEERING GROUP
RECEIVED
DEC 10 1990

December 5, 1990

DEC 1990
Received
PWD/Engineering
Project Review

Mr. Walter H. Nickerson, Jr., P.E.
Assistant Director, Engineering Group
Public Works Department
P. O. Box 1293
Albuquerque, New Mexico 87103

SUBJECT: Cubby Hole Mini Storage (F18/D45)

REFERENCE: Notice of Order dated August 2, 1990
EH&A Job No. 11909

Dear Walt:

In accordance with the above referenced Notice of Order, this letter shall serve to respond to the four (4) items identified which require action:

1. The owners of Cubby Hole Mini Storage on or before September 18, 1990 completed certain improvements to provide positive routing of offsite flows from the east along the landscaped area to the sidewalk culvert. The improvements consist of a concrete swale along the north side of the low height retaining wall from the sidewalk culvert east to the southeast corner of the subject property. The improvements also include a concrete pad at the entrance to the swale (see enclosed markup of the approved grading and drainage plan).

2. On or before September 18, 1990, the owners performed minor grading within the pond to raise the bottom of the pond elevation to that of the positive 4" outlet pipe. They also removed blockage within the 4" pipe which has provided positive drainage of the pond.

3. On September 24, 1990 the owners met onsite with the owners of Tract 2T. The owners of Tract 2T accepted the work done (see attached letter from the Cubby Hole owners dated November 6, 1990).

317 Commercial St. N.E. • Albuquerque, New Mexico 87102 • (505) 242-1909

0000 0000 1701

4. Upon receipt of the City Notice of Order, the Cubby Hole owners immediately began remediation measures and construction was substantially completed within 30 days of receipt of the Notice. During construction and at completion, I inspected the improvement and find them adequate.

Should you have any questions, please feel free to call.

Sincerely,

Jim Leymon

Jim Leymon, P.E.
Division Manager

/kh

cc: Steve Schuman

25×10

0000 0000 M02

RECEIVED
DEC 13 1990
HYDROLOGY DIVISION

CUBBY HOLE STORAGE

6917 MONTGOMERY, NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 883-5050

RECEIVED
NOV 14 1990
Ans'd.....

November 6, 1990

Mr. Jim Leymon
Espey, Huston & Associates, Inc.
317 Commercial Street, NE
Albuquerque, New Mexico 87111

Dear Mr. Leymon:

About September 18, 1990, improvements were completed to better accomodate the discharge of storm water from the Villa Del Oso Apartments, which lie to the east of Cubby Hole Mini Storage. This was in response to Walt Nickerson's letter of August 2, 1990.

I met with Jim McClintock, owner of Tract 2T, on September 24, 1990, and he approved of the design and the work done. Several heavy rains have failed to defeat the new system, so it apparently works better now.

The sump pumps in the catch basin at the Germer building were gone at the time of the water/flood occurance. This was the root of the problem, but they have been replaced and seem to operate properly now.

If you have any questions pertaining to the drainage system we have just updated, please feel free to call me at the above number.

Cordially,

Kenneth L. Schumann
Cubby Hole Storage
6917 Montgomery, NE
Albuquerque, New Mexico

KLS:bjr

Enclosure

25x10

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

August 2, 1990

Steve Schumann
Cubby Hole Mini Storage
6917 Montgomery Boulevard, NE
Albuquerque, New Mexico 87109

RE: CUBBY HOLE MINI STORAGE (F-18/D45)

NOTICE AND ORDER

Pursuant to Chapter 7, Article IX, City of Albuquerque Revised Ordinances, 1974, as amended, this Notice and Order is being issued on the property located at 6917 Montgomery Boulevard, NE, which is more particularly described as Tract 3T, Taylor's Nursery Addition as filed in the Bernalillo County Clerk's Office on May 31, 1984, in volume B20-170.

FINDINGS

This property was inspected on April 26, 1990, by personnel of this department. This inspection revealed that the property is in violation of the Drainage Ordinance and is in a hazardous condition for the following reasons:

Section 12.B.1. - The property as graded severely increases the damage potential to the downstream adjacent property (Tract 2T). Runoff from the landscaping installed by Cubby Hole along the Germer's property line north of the retaining wall has created a high point thus not allowing the offsite flows from the east to enter and drain down towards the existing sidewalk culvert. Increased runoff and sedimentation has entered the loading dock on Germer's property.

Section 12.B.3. - The grading done on the property does not conform to the drainage plan approved by this department and certified by your engineer.

25 x 10

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ORDER

You, being the owner, are hereby ordered to:

1. Construct the landscaping within Germer's north property line per the approved drainage plan which indicates the offsite flows entering from the ease and being routed along the landscaped area down towards the existing sidewalk culvert.

2. Regrading of the ponding area along Montgomery Boulevard, pond does not drain.

3. Letter written to the City by your engineer on May 4, 1990, assured us that the concerns listed above would be resolved immediately. Complaint filed on July 30, 1990 by owners of Tract 2T indicates that nothing was done to correct the problems.

4. The mentioned problems will need to be corrected within thirty (30) calendar days upon receipt of this letter. Also, after corrections have been implemented, we will require Engineer's Certification.

If you have any questions concerning this matter, please call Bernie J. Montoya, at 768-2650.

Cordially,

Walter H. Nickerson, Jr., P.E.
Assistant Director; Engineering Group

xc: Sylvia Fettes, Legal Department
Alan Hunt, McClintic Development
Jim Leymon

BJM:WHN/bsj
(WP+1047)

25×10

0000 0000 1405

ESPEY,
HUSTON &
ASSOCIATES, INC.
Engineering & Environmental Consultants

RECEIVED
MAY 9 1990
HYDROLOGY DIVISION

May 4, 1990

Mr. Fred J. Aguirre, P.E.
Hydrology Section
Public Works Department, Engineering Group
P. O. Box 1293
Albuquerque, New Mexico 87103

SUBJECT: Drainage Complaint
Germer's/Cubby Hole Mini Storage
EH&A Job No. 11909

Dear Fred:

Pursuant to your letter dated April 30, 1990, I inspected the site with the owner/contractor Steve Schumann yesterday. Your letter lists two areas which require correction. I have observed and directed the owner to take the following remedial actions:

1. The landscaping installed by Cubby Hole along the Germer's property line north of the retaining wall has created a high point such that runoff is not getting to the sidewalk culvert. As a result, runoff is ponding behind the low wall and seeping through.

   I have directed the owner to regrade the landscaped area adjacent to the wall such that grade will be achieved to the sidewalk culvert. This will entail filling of a low point and grading down a higher point.

2. The stormwater pond at the far southwest corner of Germer's is not draining. It appears that the 4" outlet pipe is plugged.

   I directed the owner to clear the pipe. Also, I asked the owner to check the pond bottom elevations to insure positive drainage to the 4" pipe.

317 Commercial St. N.E. • Albuquerque, New Mexico 87102 • (505) 242-1909

25x10

The owner assured me that these two minor concerns would be corrected immediately.

Please contact me should you have any comments or questions.

Sincerely,

Jim Leymon

Jim Leymon, P.E.
Division Manager

/kh

cc: Steve Schumann, Cubby Hole
Jack Eichorn, McClintic Development

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FILE COPY

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

April 30, 1990

Jim Leymon
Espey, Huston, Inc.
317 Commercial Street, NE
Albuquerque, New Mexico 87102

RE: DRAINAGE COMPLAINT - GERMER'S
SOUTH OF THE CUBBY HOLE MINI STORAGE (F-18/D45)

Dear Mr. Leymon:

A field investigation was conducted on April 26, 1990 to determine the nature of the complaint filed with our office. The Cubby Hole Mini Storage was certified by you on April 6, 1990. The following concerns must be addressed and corrected as soon as possible.

1. At the far northeast corner of Germer's where offsite flows are shown to be accepted, the flows are not being routed towards the existing sidewalk culvert. The property is shown to be within Germer's boundary line, but the landscape work was done by Cubby Hole.

2. The pond at the far southwest corner of the Germer's property is not functioning as designed.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya
for Fred J. Aguirre, P.E.
Hydrologist

xc: Jack Eichorn
Steve Schumann

BJM:FJA/bsj
(WP+75)

25×10

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FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 17, 1990

Mr. Jim Leymon
Espey, Huston and Associates, Inc.
317 Commercial Street, NE
Albuquerque, New Mexico 87102

RE: ENGINEER'S CERTIFICATION FOR CUBBY HOLE MINI STORAGE
6917 MONTGOMERY BOULEVARD, NE (F-18/D45
CERTIFICATION STATEMENT DATED APRIL 6, 1990

Dear Mr. Leymon:

Based on the information provided on your submittal of April 11, 1990, Engineer's Certification for the referenced site is acceptable.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

for Bernie J. Montoya
Fred J. Aguirre, P.E.
Hydrologist

BJM:FJA/bsj
(WP+1047)

PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

25 x 10

0000 0000 K104

ESPEY,
HUSTON &
ASSOCIATES, INC.
Engineering & Environmental Consultants

RECEIVED
APR 11 1990
HYDROLOGY DIVISION

April 6, 1990

Mr. Bernie Montoya
Public Works, Hydrology
City of Albuquerque
P. O. Box 1293
Albuquerque, New Mexico 87102

SUBJECT: Engineer's Certification
Cubby Hole Mini Storage
6917 Montgomery Boulevard NE
EH&A Job No. 11909

Dear Bernie:

In accordance with Chapter 22.7 of the DPM and the engineer's certification checklist (page 113), please accept the following for approval of the grading and drainage construction for the above mentioned project:

1. Information Sheet - See attached.

2. As-Built Pad Elevations - See attached as-built drawing. Note only the critical storage unit pad elevations are shown. Pad elevations are in substantial compliance with the approved plan.

3. As-Built Spot Elevations on Property Line - N/A since existing property line grades were not altered and critical pad elevations are in substantial compliance with the approved plan.

4. Construction Approval for Work in Right-of-Way - See attached.

5. As-Built Drainage Basins - N/A since site is one basin. Perimeter roof tops all drain to interior.

317 Commercial St. N.E. • Albuquerque, New Mexico 87102 • (505) 242-1909

25x10

SPEY, HUSTON & ASSOCIATES, IN

6. As-Built Elevations and Dimensions for Structures:
   a. Pond - all grades and dimensions in accordance with approved plan per surveys provided by owner.
   b. Pipe inlet/outlet - see as-built plan.
   c. Rundowns - N/A
   d. Spillways - see as-built plan
   e. Channels - N/A
   f. Swales - see as-built plan
   g. Erosion control - N/A
   h. Temporary facilities - N/A
   i. Retaining or garden walls - N/A

7. Professional Certifications - See as-built plan.

8. As-Built Plan - Two copies attached.

Should you have any questions, please call me.

Sincerely,

Jim Leymon

Jim Leymon, P.E.
Division Manager

/kh

cc: Steve Schuman

25×10

0000 0000 M11

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Cubby Hole Storage ZONE ATLAS/DRNG. FILE #: E-18 / D45

LEGAL DESCRIPTION: Tract 3-T, Municipal Add. No. 1

CITY ADDRESS: 6917 Montgomery NE.

ENGINEERING FIRM: Espey Huston CONTACT: Jim Leymon

ADDRESS: 317 Commercial St. PHONE: 242-1909

OWNER: Cubby Hole CONTACT: Steve Schumon

ADDRESS 6917 Montgomery PHONE: 269-2539

ARCHITECT: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

SURVEYOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

____ YES

____ NO

____ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJECT NO. _____

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT

____ DRAINAGE PLAN

____ CONCEPTUAL GRADING & DRAIN. PLAN

____ GRADING PLAN

____ EROSION CONTROL PLAN

X ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

____ SKETCH PLAT APPROVAL

____ PRELIMINARY PLAT APPROVAL

____ SITE DEVELOPMENT PLAN APPROVAL

____ FINAL PLAT APPROVAL

____ BUILDING PERMIT APPROVAL

____ FOUNDATION PERMIT APPROVAL

____ CERTIFICATE OF OCCUPANCY APPROVAL

____ ROUGH GRADING PERMIT APPROVAL

____ GRADING/PAVING PERMIT APPROVAL

OTHER _____ (SPECIFY)

RECEIVED APR 11 1990 HYDROLOGY DIVISION

DATE SUBMITTED: 4/9/90

BY: J. Leymon

Rev. 11/84

25 x 10

CUBBY HOLE CONSTRUCTION
6917 MONTGOMERY, NE
ALBUQUERQUE, NEW MEXICO 87109
(505) 884-8173

JANUARY 3, 1990

PUBLIC WORKS/HYDROLOGY DEPARTMENT
MR. BERNIE MONTOYA
BOX 1293
ALBUQUERQUE, NEW MEXICO 87102

RE: CUBBY HOLE MINI STORAGE PROJECT
6917 MONTGOMERY BLVD., NE

DEAR MR. MONTOYA:

PURSUANT TO OUR PHONE CONVERSATION THIS AFTERNOON, THIS LETTER IS TO STATE WE WILL CERTIFY THE "AS BUILT DRAINAGE PLAN" WITH THE ALREADY APPROVED "DRAINAGE PLAN". UPON COMPLETION, OUR DRAINAGE ENGINEER (ESPEY HUSTON & ASSOCIATES, INC., ALBUQUERQUE, NEW MEXICO) WILL CERTIFY THE "AS BUILT DRAINAGE PLAN".

I HOPE THIS WILL MEET WITH YOUR APPROVAL AND WE APPRECIATE YOUR TIME AND CONSIDERATION IN THIS MATTER. IF YOU HAVE ANY QUESTIONS PERTAINING TO BE THE ABOVE, PLEASE FEEL FREE TO CALL ME AT THE ABOVE NUMBER.

CORDIALLY,

STEVE SCHUMANN
CUBBY HOLE CONSTRUCTION

SS:bjr

25×10

NATIONWIDE CANOPY, INC.
1200 Legion Rd., NE
ALBUQUERQUE, NEW MEXICO 87102
(505) 884-8173

FAX NUMBER: (505) 884-8306

DATE: 1/30/90 FAX #: 768-3629

TO: City Of Albq./Hydrology Dept. ATTENTION: Bernie Montoya

LOCATION: Albq., NM

****

2 PAGES ARE BEING TELECOPIED INCLUDING THIS ONE. IF YOU DO NOT RECEIVE THE SAME, PLEASE NOTIFY IMMEDIATELY.

MESSAGE: Re: Certify Letter for Drainage Plan

Re: Cubby Hole Mini Storage Project

6917 Montgomery, NE

THANK YOU,

B.J. Rekart, Office Manager

25×10

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

KEN SCHULTZ
MAYOR

August 16, 1989

Dennis A. Lorenz, P.E.
Espey, Huston & Associates, Inc.
317 Commercial Street, NE
Albuquerque, New Mexico 87102

RE: DRAINAGE PLAN FOR CUBBY HOLE MINI STORAGE
(f-18/D45) ENGINEER'S STAMP DATED AUGUST 10, 1989

Dear Mr. Lorenz,

Based on the information provided on your resubmittal of August 10, 1989, the above referenced plan is approved for Building Permit.

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

Also, please be advised that a separate permit is requried for construction within City right-of-way. A copy of this approval letter is required when applying for the excavation permit.

All developed roof runoff from the perimeter units will be required to drain towards the interim asphalt area.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya

Bernie J. Montoya, C.E.
Engineering Assistant

xc: Becky Sandoval

BJM/bsj
(WP+1047)

25×10

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FILE COPY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

INTER-OFFICE CORRESPONDENCE August 23, 1989

TO: Desiderio Salas; Street Maintenance Division

FROM: Fred J. Aguirre, Hydrologist; Engineering Group/PWD

SUBJECT: PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC RIGHTS-OF-WAY/EASEMENT
CUBBY HOLE MINI STORAGE (F-18/D45)

Transmitted herewith, is a copy of the approved drainage plan for the referenced project incorporating the S.O. #19 design.

In accordance with the new process, this plan is being submitted to you for permitting and inspection. Please provide this section with a signed-off copy per the signature block upon construction and acceptance by your office.

As you are aware, the signed-off S.O. #19 is required by this office for Certificate of Occupancy release; hence your expeditious processing of this plan would be greatly appreciated and would avoid any unnecessary delay in the release of the Certificate of Occupancy.

Thank you for your cooperation, and if you should have any questions and/or comments regarding the process, please feel free to call me at 768-2650.

FJA/bsj

Attachment

25×10

0000 0000 N16

DRAINAGE INFORMATION SHEET

PROJECT TITLE: CUBBY HOLE MINI STORAGE ZONE ATLAS/DRNG. FILE #: F18-D45

LEGAL DESCRIPTION: TRACT 3T, TAYLOR'S NURSERY ADDITION

CITY ADDRESS: 6821 MONTGOMERY BLVD NE

ENGINEERING FIRM: ESPEY HUSTON CONTACT: D. LORENZ

ADDRESS: 317 COMMERCIAL NE PHONE: 242-1909

OWNER: KEN SCHUMANN CONTACT:

ADDRESS: 1925 JUAN TABO NE PHONE:

ARCHITECT: NA CONTACT:

ADDRESS: PHONE:

SURVEYOR: ESPEY HUSTON CONTACT: B. SEITZ

ADDRESS: PHONE: 242 1909

CONTRACTOR: NA CONTACT:

ADDRESS: PHONE:

PRE-DESIGN MEETING:

X YES

__ NO

__ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ____

EPC NO. ____

PROJ. NO. ____

TYPE OF SUBMITTAL:

__ DRAINAGE REPORT

X DRAINAGE PLAN

__ CONCEPTUAL GRADING & DRAINAGE PLAN

X GRADING PLAN

__ EROSION CONTROL PLAN

__ ENGINEER'S CERTIFICATION

RECEIVED AUG 10 1989 HYDROLOGY SECTION

CHECK TYPE OF APPROVAL SOUGHT:

__ SKETCH PLAT APPROVAL

__ PRELIMINARY PLAT APPROVAL

__ SITE DEVELOPMENT PLAN APPROVAL

__ FINAL PLAT APPROVAL

X BUILDING PERMIT APPROVAL

__ FOUNDATION PERMIT APPROVAL

__ CERTIFICATE OF OCCUPANCY APPROVAL

__ ROUGH GRADING PERMIT APPROVAL

__ GRADING/PAVING PERMIT APPROVAL

__ OTHER ____ (SPECIFY)

DATE SUBMITTED: 8-10, 1989

BY: DENNIS LORENZ

25 x 10

RECEIVED
JUL 2 4 1989
HYDROLOGY SECTION

MINI STORAGE INC.
1925 JUAN TABO NE, B-218
ALBUQUERQUE, NEW MEXICO 87112
(505) 884-8173

JULY 24, 1989

MR. STUART REEDER
CITY OF ALBUQUERQUE
HYDROLOGY SECTION
BOX 1293
ALBUQUERQUE, NEW MEXICO 87103

RE: TRACT 3T, MUNICIPAL ADDITION #1
TAYLORS NURSERY

DEAR MR. REEDER:

THIS LETTER IS TO CONFIRM OUR MEETING, PER PHONE CONVERSATION, OF JULY 19, 1989. DUE TO THE FACT THAT THE CITY IS GOING TO START CONSTRUCTION ON A NEW STORM DRAIN TO HANDLE THE RUNOFF AT MONTGOMERY AND LOUISIANA, YOU WOULD ALLOW US TO REDUCE OUR PONDING REQUIREMENTS. AS DISCUSSED, OUR RETENTION WOULD BE LIMITED TO THAT WHICH COULD BE OBTAINED WITHOUT BUILDING A SUBTERRANEAN HOLDING AREA. WITH THIS IN MIND, ESPEY HUSTON IS REDESIGNING OUR DRAINAGE PLAN TO FIT THE ABOVE CONDITION.

WE ARE REDESIGNING NOW, ACCORDING TO YOUR RECOMMENDATION; THEREFORE, PLEASE ADVISE US IMMEDIATELY UPON YOUR RECEIPT OF THIS LETTER IF YOU DO NOT CONCUR WITH THE ABOVE. OUR PHONE NUMBER IS 884-8173.

SINCERELY,

Steve Schumann

STEVE SCHUMANN

SS:bjr

25×10

FILE COPY

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

KEN SCHULTZ
MAYOR

March 21, 1989

Dennis A. Lorenz, P.E.
Espey, Huston & Associates, Inc.
317 Commercial Street, NE
Albuquerque, New Mexico 87102

RE: CONCEPTUAL GRADING AND DRAINAGE PLAN FOR CUBBY HOLE MINI STORAGE, SUBMITTED MARCH 2, 1989, FOR SITE DEVELOPMENT PLAN APPROVAL (FOR ZONE CHANGE) (F-18/D45)

Dear Mr. Lorenz,

Your submittal, referred to above, with your engineer's stamp dated 2-27-89, is approved for site development plan sign-off by the hydrology section.

For Building Permit approval, we will need to have the following:

1. details of the onsite drainage system including routing calculations for determining the adequacy of both the underground concrete pipe system and the existing detention pond;

2. details of the 2-12" drain lines which limit the peak flow to 3.8 cfs; and

3. a detailed grading plan.

For the rainfall amount, please use 2.60 inches per the Heggen study.

If you have any questions, feel free to call me at 768-2650.

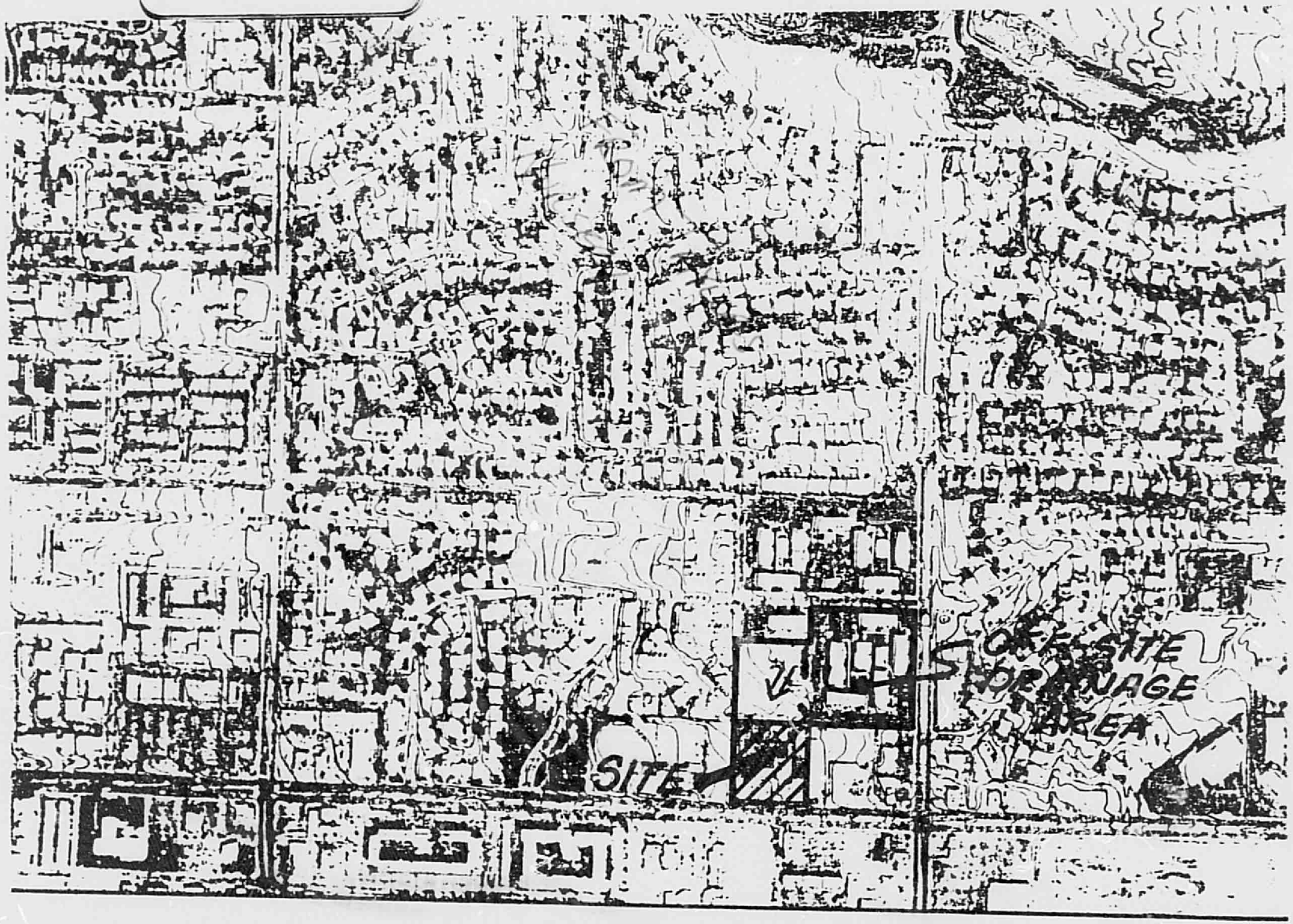
Cordially,

Stuart Reeder

G. Stuart Reeder, P.E.
C.E./Hydrology Section

GSR
(WP+1047)

25×10



Dwg. No 3

ERATED BY BOHANNAN-HUSTON,
ING TOPOGRAPHY ACQUIRED BY
HOUE METROPOLITAN ARROYO

ORTHOPHOTOGRAPHY ACCOMPLISHED FROM VERTICAL AERIAL PHOTOGRAPHY EXPOSED 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

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

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

DMJM / AHA ALBUQUERQUE	PROJECT GERMER'S	PROJECT NO 4630-01-01	PAGE 2
		BY: J 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: TRACT "3T"

$Q_{100} = CIA$

$t_c = 10$ 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: TAYLOR'S NURSERY TRACT 3

$Q_{100} = CIA$

$t_c = 11$ min $= (500/.25 + 100/1.9)/60$

$I = 4.63$ "/hr

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

$= 16.2$ cfs

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

$= 10.6$ cfs

25×

0000 0000 1121

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

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

SUBJECT DRAINAGE CALCULATIONS

Exist. Cond. Cont.

GERMERS SITE

$Q_{100} = CIA$

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

$Q_{100} = C \cdot I \cdot A$

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

$I = 3.7$

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

$= 21$ cfs.

4.5
16.2
6
26.7

0000 0000 1122

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

DMJM / AHA ALBUQUERQUE	PROJECT GERMER'S	PROJECT NO 1630.03.01	PAGE 4
		BY: C. Burm / DATE: 5-29-84	
SUBJECT DRAINAGE CALCULATIONS			

DEVELOPED CONDITIONS:

THE UNDEVELOPE AREA TO THE NORTH IS ASSUMED TO BE Limited to Discharge of the Pre Development conditions.

The Develope 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.

Q_{100} = 21 cfs TOTAL

25×10

0000 0000 1423

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

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.

25×10

DMJM / AHA ALBUQUERQUE	PROJECT: FARMER'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)

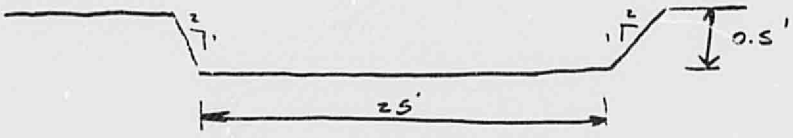
$L = 25'$

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

$= .31$

$H \quad 0.46'$

SECTION for OVER FLOW



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

25×10

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

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

EFFECTIVE AREA 76060 SQ.FT. → 1.746 ACRES ?
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

25×10

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TIME MIN.	RAINFALL INCHES	ACCUM. INFLOW CUBIC FEET	POND ELEV.	AVG. POND ELEV.	ACCUM. OUTFLOW CUBIC FEET	STORAGE 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		3.327 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	2697
	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

25×10

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	INFILTRATION			0 CU.FT.		
	ORIFICE FLOW	1.184 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

25×10

MAXIMUM OUT FLOW IS AT POND ELEV. 93.852
ORIFICE OUTFLOW IS 5.091 CFS
WEIR OUTFLOW IS 0.000 CFS

25×10

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DRAINAGE INFORMATION SHEET

PROJECT TITLE: CUBBY HOLE MINI STORAGE ZONE ATLAS/DRNG. FILE #: F18-D45

LEGAL DESCRIPTION: TRACT 3T, TAYLOR'S NURSERY ADDITION

CITY ADDRESS: 6821 MONTGOMERY BLVD NE

ENGINEERING FIRM: ESPEY HUSTON CONTACT: D. LORENZ

ADDRESS: 317 COMMERCIAL NE PHONE: 242-1909

OWNER: ICEN SCHUMANN CONTACT:

ADDRESS: 1925 JUAN TABO NE PHONE:

ARCHITECT: NA CONTACT:

ADDRESS: PHONE:

SURVEYOR: ESPEY HUSTON CONTACT: B. SEITZ

ADDRESS: PHONE: 242 1909

CONTRACTOR: NA CONTACT:

ADDRESS: PHONE:

RECEIVED
MAR 0 2 1989
HYDROLOGY SECTION

PRE-DESIGN MEETING:

X YES

___ NO

X COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ___

EPC NO. ___

PROJ. NO. ___

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT

___ DRAINAGE PLAN

X CONCEPTUAL GRADING & DRAINAGE PLAN

___ GRADING PLAN

___ EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL

___ PRELIMINARY PLAT APPROVAL

X SITE DEVELOPMENT PLAN APPROVAL

___ FINAL PLAT APPROVAL

___ BUILDING PERMIT APPROVAL

___ FOUNDATION PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ ROUGH GRADING PERMIT APPROVAL

___ GRADING/PAVING PERMIT APPROVAL

___ OTHER ___ (SPECIFY)

DATE SUBMITTED: FEB. 28, 1989

BY: DENNIS LORENZ

25 x 10

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

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

October 31, 1985

Philip Clark
Espey, Huston & Associates
4801 Indian School Road, NE Suite 204
Albuquerque, New Mexico 87107

RE: CONCEPTUAL GRADING AND DRAINAGE PLAN SUBMITTAL OF OFFICE BUILDING,TRACT 3T; TAYLOR'S NURSERY, FOR SITE DEVELOPMENT PLAN APPROVAL, ENGINEER DRAWINGS STAMPED AND DATED OCTOBER 14, 1985, RECEIVED OCTOBER 14, 1985 (F-18/D45)

Dear Philip:

The referenced submittal is approved for Site Development Plan.

Drainage Plan submittal for Building Permit must include all hydraulic calculations for pond structures, including analysis of downstream pond and outlet structure because of increased volumes. A private drainage easement across Tract "2T" will also be required at this time.

If you have any questions, call me at 766-7644.

Cordially,

Roger A. Green, PE

Roger A. Green, P.E.
C.E./Design Hydrology

cc: John Montano
1909 Carlisle Blvd., NE

RAG/bsj

25×

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DRAINAGE INFORMATION SHEET

PROJECT TITLE: '3T' ZONE ATLAS/DRNG. FILE #: F-18/D45

LEGAL DESCRIPTION: Tr. '3T' of Taylor's Nursery w/in Municipal Add'n #1

CITY ADDRESS: 6821 Montgomery Blvd. N.E.

ENGINEERING FIRM: Espey, Huston & Assoc. CONTACT: Philip Clark

ADDRESS: 4801 Indian School Suite 204 Albuq., N.M. 87107 PHONE: 255-1625

OWNER: John Montaño, Charles Cook CONTACT: ←

ADDRESS: 1909 Carlisle N.E. Albuq., N.M. PHONE: 265-5811

ARCHITECT: N.A. CONTACT: –

ADDRESS: – PHONE: –

SURVEYOR: Espey, Huston & Assoc. CONTACT: Tim Aldrich

ADDRESS: Same as above PHONE: 255-1625

CONTRACTOR: N.A. CONTACT: –

ADDRESS: – PHONE: –

RECEIVED
OCT 14 1985
HYDROLOGY SECTION

PRE-DESIGN MEETING:

✓ YES

___ NO

✓ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ~~DRB~~ -84 ~~1~~74 84-391 6/5/84 3/20/84

EPC NO. Z-85-91 8/15/85

PROJ. NO. –

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT

___ DRAINAGE PLAN

X CONCEPTUAL GRADING & DRAINAGE PLAN

___ GRADING PLAN

___ EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL

___ PRELIMINARY PLAT APPROVAL

X SITE DEVELOPMENT PLAN APPROVAL

___ FINAL PLAT APPROVAL

___ BUILDING PERMIT APPROVAL

___ FOUNDATION PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ ROUGH GRADING PERMIT APPROVAL

___ GRADING/PAVING PERMIT APPROVAL

___ OTHER _____ (SPECIFY)

DATE SUBMITTED: 10/4/85

BY: Philip W. Clark

25×10

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION/DESIGN HYDROLOGY SECTION

PRE-DESIGN CONFERENCE RECAP

HYDROLOGY SECTION PROJECT NO.: F-18 DATE: 3/28/85

PLANNING DIVISION NOS. EPC: _____ DRB: _____

SUBJECT: Self-Storage

LEGAL DESCRIP.: Tract 3T Municipal Add'n

APPROVAL REQUESTED

RECEIVED MAR 0 2 1989 HYDROLOGY SECTION

___ PRELIMINARY PLAT ___ FINAL PLAT

X SITE DEVELOPMENT PLAN X BUILDING PERMIT

___ ROUGH GRADING

	WHO:	REPRESENTING:
ATTENDANCE:	Jim Laymon	Espey, Huston & Assoc.
	Dennis Lorenz	"
	Billy Goolsby	City

X Conceptual Drainage Plan/~~Report~~ required for ~~Preliminary Plat and/or~~ Site Development Plan sign-off.

X Approved Drainage Plan/~~Report~~ required for ~~Final Plat and/or~~ Building Permit sign-off.

___ Subdivision Improvements Agreement or Financial Security required.

FINDINGS: ① Discharge through Germer's development is limited to undeveloped rate.

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:	P. Laymon
TITLE:	CE/Design Hydrology	TITLE:	Civil Engr.
DATE:	3/28/85	DATE:	3/28/85

NOTE PLEASE PROVIDE A COPY OF THIS RECAP WITH THE DRAINAGE SUBMITTAL

25 × 10

FOLLOWING DOCUMENT(S)

PRINTED ON COLORED

PAPER STOCK DO NOT

ALWAYS REPRODUCE WELL.

THIS RESULTS IN

A POOR FILM IMAGE.

25×10

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION/DESIGN HYDROLOGY SECTION

PRE-DESIGN CONFERENCE RECAP

HYDROLOGY SECTION PROJECT NO.: F-18 DATE: 3/28/85

PLANNING DIVISION NOS. EPC: _____ DRB: _____

SUBJECT: Self-Storage

LEGAL DESCRIP.: Tract 3J Municipal Addn

APPROVAL REQUESTED

_____ PRELIMINARY PLAT _____ FINAL PLAT

X SITE DEVELOPMENT PLAN X BUILDING PERMIT

_____ ROUGH GRADING

	WHO:	REPRESENTING:
ATTENDANCE:	Jim Layne	Espey Huston & Assoc
	Dennis Lorenz	
	Billy Gutierrez	City

X Conceptual Drainage Plan/Report required for Preliminary Plat and/or Site Development Plan sign-off.

X Approved Drainage Plan/Report required for Final Plat and/or Building Permit sign-off.

____ Subdivision Improvements Agreement or Financial Security required.

FINDINGS: A Discharge through Garmer's development is limited to undeveloped rate

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 G. Gutierrez SIGNED: [illegible]

TITLE: CE Design Hydrology TITLE: [illegible]

DATE: 3/28/85 DATE: 3-28-85

NOTE PLEASE PROVIDE A COPY OF THIS RECAP WITH THE DRAINAGE SUBMITTAL

25 x 10

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PLANS/PLATS ON FILE

FILE DESC: F18/D45

PLANS/PLATS 5

25 × 10

0000 0000 1738

25×10