City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 9, 2000

Philip Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

RE: GRADING & DRAINAGE PLAN FOR TUAN OFFICE BUILDING (J-19/D073)
ENGINEERS STAMP DATED 5/9/00 SUBMITTED FOR BUILDING PERMIT
and SO 19 APPROVALS

Dear Mr. Clark,

Based upon the information provided in your May 2, 2000, submittal, the project referred to above is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

A separate permit is required for construction within the city right-of-way. A copy of this approval letter must be on hand when applying for the excavation permit.

Prior to release of the Certificate of Occupancy, an Engineer Certification, per the DPM checklist, will be required.

If you have any questions, please call me at 924-3988.

Sincerely,

Stuart Reeder, P.E.

Stuart Reeder, P.E.
Hydrology Division

xc: Pam Lujan, Permits
Whitney Reierson
File

PUBLIC WORKS DEPARTMENT

May 9, 2000

INTEROFFICE CORRESPONDENCE HYDROLOGY DIVISION

TO: Desiderio Salas, Street Maintenance Division

FROM: Stuart Reeder, PE, Hydrology Div., PWD

SUBJECT: TUAN OFFICE BUILDING (J-19/D073)

Transmitted herewith is a copy of the approved drainage plan for the referenced project incorporating the SO 19 design. 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 SO 19 is required by this office for Certificate of Occupancy release; therefore your expeditious processing of this plan will be greatly appreciated and will avoid any unnecessary delay in the release of Certificate of Occupancy.

If you have any question, please call me at 924-3988.

w/attachment

xc: file

Attn: Stuart Reeder

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Tuan Off. Bldg. ZONE ATLAS/DRNG. FILE #: J-19/D073

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

LEGAL DESCRIPTION: LOT 1-B-1, Lands of the Christus Victor Lutheran Church

CITY ADDRESS: 1240 Pennsylvania NE

ENGINEERING FIRM: Clark Consulting Engineers CONTACT: Philip Clark

ADDRESS: 19 Ryan Road Edgewood NM 87015 PHONE: 281-2444

OWNER: Tuan Van Huynh CONTACT: Tuan

ADDRESS: 1510 Wyo. Ste A 87112 PHONE: 332-8000

ARCHITECT: Masterworks CONTACT: Jim Clark

ADDRESS: 516 11th NW PHONE: 242-1866

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

Re:

TYPE OF SUBMITTAL:

X DRAINAGE REPORT

X DRAINAGE PLAN

___ CONCEPTUAL GRADING & DRAINAGE PLAN

X GRADING PLAN

X EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

X OTHER Transpo Elements!

PRE-DESIGN MEETING:

___ YES

X 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 PER. APPROVAL

___ SECTOR PLAN APPROVAL

___ FINAL PLAT APPROVAL

___ FOUNDATION PERMIT APPROVAL

X BUILDING PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ GRADING PERMIT APPROVAL

___ PAVING PERMIT APPROVAL

___ S.A.D. DRAINAGE REPORT

___ DRAINAGE REQUIREMENTS

___ SUBDIVISION CERTIFICATION

___ OTHER _____ (Specify)

RECEIVED
MAY 02 2000
HYDROLOGY SECTION

Date: 5/2/00 ~~3-17-00~~

Submitted by: Philip W. Clark

Clark Consulting Engineers
19 Ryan Road
Edgewood, New Mexico 87015
Tele: (505) 281-2444 E-Mail ccealbq@aol.com Fax: (505) 281-2444
Philip W. Clark, P.E.

Date: 5/1/00

Faximile Cover Sheet

TO: Stuart Reeder

ORGANIZATION: City Hydrology

FROM: PC

REGARDING: Tuan office Bldg. - J19/D073
G/D

MESSAGE: TOTAL NO. PAGES: 3

Stuart -
- please find some recent correspondence sent to & received from the state (SHD)

I will bring (2) copies of G/D to you.

P.

New Mexico
State Highway and Transportation

Preliminary Design Bureau
Drainage Design Section

INTRA-DEPARTMENTAL CORRESPONDENCE

DATE: April 28, 2000
FILE REF: DIST 3

TO: Kathy Trujillo
Traffic Engineer, District 3

FROM: James S. Lowe
Drainage Development Engineer

SUBJECT: Tuan Office Building, Pennsylvania & I-40, SE Quadrant

We have reviewed the Tuan Office Building Grading and Drainage Plan, dated December 21, 1999, and the letter in response to comments, dated April 24, 2000, by Clark Consulting Engineers. We feel the design is adequate and reasonable.

Please have the Consultant send a copy of their Grading and Drainage Plan with their April 24, 2000 letter to Peter Brakenhoff at Parsons Brinkerhoff.

xc: Rae Van Hoven
George Herrera
Steve Harris, District 3
Peter Brakenhoff, Parsons Brinkerhoff
Philip W. Clark, Clark Consulting Eng
Tony Abbo
Daily File

RECEIVED
MAY 02 2000
HYDROLOGY SECTION

Clark Consulting Engineers
19 Ryan Road
Edgewood, New Mexico 87015
Tele: (505) 281-2444 E-Mail ccealbq@aol.com Fax: (505) 281-2444

April 24, 2000

Ms. Rae Van Hoven, P.E. - Mr. James S. Lowe
NM State Highway & Transportation Dept.
Room 219, 1120 Cerrilos Road
Santa Fe, NM 87501

Re: Tuan Office Building – SE Quadrant of I-40/Pennsylavania

Dear Ms. Van Hoven

Pursuant to comment memo from Mr. Lowe, dated 4/14/00 please allow the following discussion itemized in accordance with that correspondence:

1. Based on the minimal increase of flow from the historic due to this development, and items 2/3 below, free discharge should be acceptable for this project, since downstream capacity exists.
2. The existing asphalt rundown has the following geometrics:
   S=7%, top width is 6', "V" shaped, side slopes of 6:1.....and therefore
   Hydraulic characteristics of, Q capacity of 13.6 cfs, @ vel. 9,1 fps @ depth = 0.5'
   >>>Q design = 2 cfs.....ok

   The rundown extends down to the toe of existing slope where heavy vegetation exists, and no apparent erosion has occurred. The area inlet is similar to the following Type 'D' inlet, and has the capacity to accept the site flows. A twenty-four inch diameter RCP connects to the concrete diversion channel located between the east and westbound lanes. Sufficient 'V' depths exist within this 6' deep inlet.

3. Pursuant to telecon with Peter Brakenhoff, Parsons Brinkerhoff, I-40/Pennsylvania Project Manager, an increase of 1 cfs to the current system should not have any adverse effect on the storm drainage system. Additionally, the increase of flow due to our development will be accounted for and used in preliminary/final designs of the future I-40 project. He stated that at this time the project has no preliminary or final design plans available.

Should you have any questions, or need further information please do not hesitate to call me.

Sincerely,

Philip W. Clark, P.E.
Clark Consulting Engineers

Clark Consulting Engineers
19 Ryan Road
Edgewood, New Mexico 87015
Tele: (505) 281-2444
Fax: (505) 281-2444

DATE: 1/20/00
PROJECT: TUAH OFFICE
Rev'd 3/29/00 RC
Rev. 4/10/00 RC

CALCULATIONS

DESIGN CRITERIA

HYDROLOGIC METHODS PER SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL (DPM) REVISED JANUARY 1993 FOR CITY OF ALBUQUERUQUE, ADOPTED BY THE COUNTY OF BERNALILLO
DISCHARGE RATE: Q=QPEAK x AREA.."Peak Discharge Rates For Small Watersheds"
VOLUMETRIC DISCHARGE: VOLUME = EWeighted x AREA
P100 = 2.60 Inches, Zone 3 Time of Concentration, TC = 10 Minutes
DESIGN STORM: 100-YEAR/6-HOUR, 10-YEAR/6-HOUR [ ] = 10 YEAR VALUES

EXISTING CONDITIONS

LOT AREA = 0.5 ACRES, WHFRF EXCESS PRECIP. 'A' (80%) =0.66 In. [0.19] 'B' (20%) = 0.92 In. [0.36]
PEAK DISCHARGE, Q100 = 1 CFS [0.4], WHFRF UNIT PEAK DISCHARGE 'A' = 1.9 CFS/AC. [0.6]
THEREFORE: VOLUME 100 = 1292 CF [407] 'B' = 2.6 CFS/Ac.[1.19]

DEVELOPED CONDITIONS

DETERMINE LAND TREATMENTS, PEAK DISCHARGE AND VOLUMETRIC DISCHARGE FOR STUDY AREA

	AREA	LAND TREATM'T	Q Peak	E
UNDEVELOPED	--- Ac.	A	1.87[0.58]	0.66[0.19]
LANDSCAPING - 10% SL.	0.07 Ac.	B	2.60[1.19]	0.92[0.36]
COMPACTED SOIL & Slopes >	0.00 Ac.	C	3.45[2.00]	1.29[0.62]
ROOF - PAVEMENT	0.43 Ac.	D	5.02[3.39]	2.36[1.50]
	0.50 Ac.			

THEREFORE: $E_{Weighted}$ = 2.158 In.[1.34] &
Q100 = 2.34 CFS VOLUME 100 = 3917 CF
Q10 = 1.54 CFS VOLUME 10 = 2433 CF

DOWNSTREAM ANALYSIS

70% OF THE DEVELOPED SITE RUNOFF WILL DRAIN TO THE NORTHWEST CORNER OF THE PARKING LOT/SITE. RUNOFF WILL BE CONVEYED VIA RIPRAP RUNDOWN TO EXISTING ASPHALT RUNDOWN TO INTERSTATE RIGHT-OF-WAY AND STORM DRAIN SYSTEM/I-40 CHANNEL. THE INCREASE OF RUNOFF DUE TO DEVELOPED FLOWS IS LESS THAN 1 CFS.

@ NW Cor. ∴ 70 +/- x 2.34 ≈ 1.7 cfs

- √ Capacity of 6' Wide Top, Conc. Rundown
  n=0.013 VERT. Sideslopes @ S = 4%
  per Mannings Eq.
  Q = 18 cfs >>> 1.7 cfs ok.
  cap. where: d_{100} = 0.10'

City of Albuquerque

April 6, 2000

Philip Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87112

RE: GRADING AND DRAINAGE PLAN FOR TUAN OFFICE BUILDING(J-19/D073), ENGINEER'S STAMP DATED 3/31/00 SUBMITTED FOR BUILDING PERMIT APPROVAL and SO 19

Dear Mr. Clark,

Your submittal, referred to above is in substantial compliance with City requirements. After discussion with the City Engineer, however, I have the following comments for you to address:

1. The property is bordered on the north and east by a vacated parcel. Please furnish us with the vacation ordinance to assure us that there are no existing easements which will be affected by your proposed construction.
2. Please establish that the rundown at the northwest corner of the site is within COA right-of-way. If it is within the Highway Department right-of-way, you will need their permission to construct your drainage structure.
3. If the rundown is to be built within the COA right-of-way, it can be built under an SO-19, in lieu of a Work Order, but must be constructed with concrete instead of loose rock. Please furnish us with two copies of the grading and drainage plan if you plan to need an SO-19.

If you have any questions, please call me at 924-3988.

Sincerely,

Stuart Reeder, P.E.

Stuart Reeder, P.E.
Hydrology Division

xc: Whitney Reierson
File

Attn: Stuart Reeder

DRAINAGE INFORMATION SHEET

ROJECT TITLE: Tuan Off. Bldg. ZONE ATLAS/DRNG. FILE #: J-19/D073

RB #: _____ EPC# _____ WORK ORDER #: _____

EGAL DESCRIPTION: LOT 1-B-1, Lands of the Christus Victor Lutheran Church

ITY ADDRESS: 1240 Pennsylvania NE

NGINEERING FIRM: Clark Consulting Engineers CONTACT: Philip Clark

ADDRESS: 19 Ryan Road Edgewood NM 87015 PHONE: 281-2444

WNER: Tuan Van Huynh CONTACT: Tuan

ADDRESS: 1510 Wyo. Ste A 87112 PHONE: 332-8000

RCHITECT: Masterworks CONTACT: Tim Clark

ADDRESS: 516 11th NW PHONE: 242-1866

URVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

ONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

Re:

YPE OF SUBMITTAL:

- X ~~DRAINAGE REPORT~~
- X DRAINAGE PLAN
- ___ CONCEPTUAL GRADING & DRAINAGE PLAN
- X GRADING PLAN
- X EROSION CONTROL PLAN
- ___ ENGINEER'S CERTIFICATION
- X OTHER Transpo Elements!

RE-DESIGN MEETING:

- ___ YES
- X 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 PER. APPROVAL
- ___ SECTOR PLAN APPROVAL
- ___ FINAL PLAT APPROVAL
- ___ FOUNDATION PERMIT APPROVAL
- X BUILDING PERMIT APPROVAL
- ___ CERTIFICATE OF OCCUPANCY APPROVAL
- ___ GRADING PERMIT APPROVAL
- ___ PAVING PERMIT APPROVAL
- ___ S.A.D. DRAINAGE REPORT
- ___ DRAINAGE REQUIREMENTS
- ___ SUBDIVISION CERTIFICATION
- ___ OTHER _____

(Specify)

Date: 3-31-00

Submitted by: [signature]

RECEIVED
MAR 31 2000
HYDROLOGY SECTION

Clark Consulting Engineers
19 Ryan Road
Edgewood, New Mexico 87015
Tele: (505) 281-2444 E-Mail ccealbq@aol.com Fax: (505) 281-2444

March 31, 2000

Stuart Reeder, P.E.
City Hydrology Division
Public Works Dept.
P.O. Box 1293
Albuquerque, NM 87103

Re: Tuan Office Bldg. – Grading and Drainage Plan
J-19/D073

In response to our telecon last week, and letter dated 3/28/00.....

1. Added flow arrow and spot elevation along the south boundary that should clarify your concern at the southeast area of the plan. These off-site flows exit (although slowly due to flatness of the existing slope) to the west through the existing drivepad.
2. Please see attached memo from Mark Vreeland.
3. I'm not sure if the following calcs were included in the original file. I've added the capacity analysis of the rock swale.

Sincerely,

Philip W. Clark, P.E.
Clark Consulting Engineers

Attachments (2)

Vreeland, Mark

From: Vreeland, Mark
Sent: Thursday, March 30, 2000 9:45 AM
To: 'cceaalbq@aol.com'
Cc: 'Jack Lycan'
Subject: Church OK

To whom it may concern,

This memo is to inform those who have the responsibility with installation of the trash access apron, located on a portion of the 22' wide easement access for lot 1-B-1, that we grant permission for this work to be done.

Mark Vreeland

Pastor - RLDS - Pennsylvania Street Church

Clark Consulting Engineers
19 Ryan Road
Edgewood, New Mexico 87015
Tele: (505) 281-2444
Fax: (505) 281-2444

DATE: 1/20/00

PROJECT: TUAH OFFICE
Rev'd 3/29/00 RC

CALCULATIONS

DESIGN CRITERIA

HYDROLOGIC METHODS PER SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL (DPM) REVISED JANUARY 1993 FOR CITY OF ALBUQUERUQUE, ADOPTED BY THE COUNTY OF BERNALILLO
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P100 = 2.60 Inches, Zone 3 Time of Concentration, TC = 10 Minutes
DESIGN STORM: 100-YEAR/6-HOUR, 10-YEAR/6-HOUR [ ] = 10 YEAR VALUES

EXISTING CONDITIONS

80% 20%
LOT AREA = 0.5 ACRES, WHFRF EXCESS PRECIP. 'A' =0.66 In. [0.19] 'B' = 0.92 In. [0.36]
PEAK DISCHARGE, Q100 = 1 CFS [0.4], WHFRF UNIT PEAK DISCHARGE 'A' = 1.9 CFS/AC. [0.6]
THEREFORE: VOLUME 100 = 1292 CF [407] 'B' = 2.6 CFS/Ac.[1.19]

DEVELOPED CONDITIONS

DETERMINE LAND TREATMENTS, PEAK DISCHARGE AND VOLUMETRIC DISCHARGE FOR STUDY AREA

	AREA	LAND TREATM'T	Q Peak	E
UNDEVELOPED	--- Ac.	A	1.87[0.58]	0.66[0.19]
LANDSCAPING - 10% SL.	0.07 Ac.	B	2.60[1.19]	0.92[0.36]
COMPACTED SOIL & Slopes >	0.00 Ac.	C	3.45[2.00]	1.29[0.62]
ROOF - PAVEMENT	0.43 Ac.	D	5.02[3.39]	2.36[1.50]
	0.50 Ac.			

THEREFORE: $E_{Weighted}$ = 2.158 In.[1.34] &
Q100 = 2.34 CFS VOLUME 100 = 3917 CF
Q10 = 1.54 CFS VOLUME 10 = 2433 CF

DOWNSTREAM ANALYSIS

70% OF THE DEVELOPED SITE RUNOFF WILL DRAIN TO THE NORTHWEST CORNER OF THE PARKING LOT/SITE. RUNOFF WILL BE CONVEYED VIA RIPRAP RUNDOWN TO EXISTING ASPHALT RUNDOWN TO INTERSTATE RIGHT-OF-WAY AND STORM DRAIN SYSTEM/I-40 CHANNEL. THE INCREASE OF RUNOFF DUE TO DEVELOPED FLOWS IS LESS THAN 1 CFS.

@ NW Cor. ∴ 70 +/- x 2.34 ≈ 1.7 cfs

- √ Capacity of 6' Wide Top Swale -'V' Shape
  n=0.045 6:1 sideslopes @ S = 4%
  per Mannings Eq.
  $Q_{cap.}$ = 3.9 cfs >> | 1.7 cfs OK
  where: d_{100} = 0.37'

City of Albuquerque

March 28, 2000

Philip Clark, P.E.
Clark Consulting Engineers
19 Ryan Road
Edgewood, NM 87015

RE: GRADING & DRAINAGE PLAN FOR TUAN OFFICE BUILDING(J-19/D073)
SUBMITTED FOR BUILDING PERMIT APPROVAL

Dear Mr. Clark

I have reviewed your submittal and offer the following comments:

1. Off-site flows - you state that no off-site flows enter the property from the church parking lot to your south. Your contour lines, however, show a 5328' line in the adjacent property and a 5327' proposed contour line defining the swale along the south side of your site. How is it possible that the run-off will not move downhill? Please show enough contours on the adjacent lot to demonstrate that your site receives no off-site flows.
2. You propose to cut the asphalt and install a concrete pad for a refuse container on the adjacent property. While there does exist an access easement across that property, I am uncertain that it gives you the right to build or repave without the owner's permission. Please get written agreement from the property owner to the south for the proposed refuse site.
3. Please quantify the run-off leaving the site via the 6' wide rip-rap swale, and calculate capacity of the swale to demonstrate that the 100 year storm run-off will stay within the swale as designed.

If you have any questions, please call me at 924-3988.

Sincerely,

Stuart Reeder, P.E.

Stuart Reeder, P.E.
Hydrology Division

xc: Whitney Reierson
File

Attn: Stuart Reeder

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Tuan Off. Bldg. ZONE ATLAS/DRNG. FILE #: J-19/D073

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

LEGAL DESCRIPTION: LOT 1-B-1, Lands of the Christus Victor Lutheran Church

CITY ADDRESS: 1240 Pennsylvania NE

ENGINEERING FIRM: Clark Consulting Engineers CONTACT: Philip Clark

ADDRESS: 19 Ryan Road Edgewood NM 87015 PHONE: 281-2444

OWNER: Tuan Van Huynh CONTACT: Tuan

ADDRESS: 1510 Wyo. Ste A 87112 PHONE: 332-8000

ARCHITECT: Masterworks CONTACT: Jim Clark

ADDRESS: 516 11th NW PHONE: 242-1866

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

Re:

TYPE OF SUBMITTAL:

X ~~DRAINAGE REPORT~~

X DRAINAGE PLAN

___ CONCEPTUAL GRADING & DRAINAGE PLAN

X GRADING PLAN

X EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

X OTHER Transpo Elements!

PRE-DESIGN MEETING:

___ YES

X 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 PER. APPROVAL

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___ FOUNDATION PERMIT APPROVAL

X BUILDING PERMIT APPROVAL

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___ PAVING PERMIT APPROVAL

___ S.A.D. DRAINAGE REPORT

___ DRAINAGE REQUIREMENTS

SUBDIVISION CERTIFICATION

___ OTHER _____

(Specify)

RECEIVED
MAR 17 2000
HYDROLOGY SECTION

Date: 3-17-00

Submitted by: Gladys W. Cook

Clark Consulting Engineers
19 Ryan Road
Edgewood, New Mexico 87015
Tele: (505) 281-2444 E-Mail ccealbq@aol.com Fax: (505) 281-2444

March 17, 2000

Stuart Reeder, P.E.
City Hydrology Division
Public Works Dept.
P.O. Box 1293
Albuquerque, NM 87103

Re: Tuan Office Bldg. – Grading and Drainage Plan
J-19/D073

Dear Stuart:

In response to your comments of 2/9/00, and upon coordination with the property owners to the south please allow the following:

1. No off-site flows enter our site from the south (existing church parking lot), since the existing asphalt swale drains the parking lot flows to the west along the south portion of the existing 22' private access easement. These flows exit to Pennsylvania Avenue, via the existing drivepad. No flows enter the property.

2. We have revised the refuse enclosure flows to drain to the east through our property.

3. We have coordinated with Father Mark Vreeland, and will re-stripe the existing 22 feet easement to accommodate 1-lane "in", and 1-lane "out". Please see revised keyed notes and plan.

4. The water leaving the site at the northwest corner remains completely within the City right-of-way. The ROW flares into the northeast quadrant along our frontage, please refer to zone map.

5. The peak flow is all contained within the rock swale, and section is added to plan.

6. The retaining wall section is added to plan.

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

RECEIVED
MAR 17 2000
HYDROLOGY SECTION

Sincerely,

Philip W. Clark, P.E.
Clark Consulting Engineers

RECEIVED
MAR 17 2000
HYDROLOGY SECTION

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

February 9, 2000

Philip Clark P.E.
Clark Consulting engineers
19 Ryan Road
Edgewood, NM 87015

RE: GRADING AND DRAINAGE PLAN SUBMITTED FOR BUILDING PERMIT APPROVAL, TUAN OFFICE BUILDING (J-19/D073)

Dear Mr. Clark,

I have reviewed your submittal and have the following comments:

1. Please address any and all offsite flows onto the property.

2. The refuse site appears to encroach on the access easement; run-off from the refuse site drains onto the site to the south.

3. While your proposed exits from this site are within the access easement, the proposed entrance is not.

4. The water leaving the site must travel to the I-40 channel within an easement.

5. The rock swale must be designed to hold the peak runoff from the site; show a cross section on the plan.

6. Show the design of the retaining wall on the plan

If you have any questions, please call me at 924-3988.

Sincerely,

Stuart Reeder, P.E.

Stuart Reeder, P.E.
Hydrology Division

xc: File

Clark Consulting Engineers
19 Ryan Road
Edgewood, New Mexico 87015
Tele: (505) 281-2444
Fax: (505) 281-2444

DATE: 1-20-00

PROJECT: Tuan off. Bldg
1420 Pennsylv. NE
J-19

CALCULATIONS

DESIGN CRITERIA

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'B' = 2.6 CFS/Ac.[1.19]
THEREFORE: VOLUME 100 = 1292 CF [407]

DEVELOPED CONDITIONS

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	ARFA	LAND TREATM'T	Q Peak	E
UNDEVELOPED	--- Ac.	A	1.87[0.58]	0.66[0.19]
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DRAINAGE INFORMATION SHEET

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

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ADDRESS: 516 11th NW PHONE: 242-1866

SURVEYOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

X DRAINAGE REPORT

X DRAINAGE PLAN

___ CONCEPTUAL GRADING & DRAINAGE PLAN

X GRADING PLAN

X EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

X OTHER Transpo Elements!

PRE-DESIGN MEETING:

___ YES

X 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 PER. APPROVAL

___ SECTOR PLAN APPROVAL

___ FINAL PLAT APPROVAL

___ FOUNDATION PERMIT APPROVAL

X BUILDING PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ GRADING PERMIT APPROVAL

___ PAVING PERMIT APPROVAL

___ S.A.D. DRAINAGE REPORT

___ DRAINAGE REQUIREMENTS

___ SUBDIVISION CERTIFICATION

___ OTHER _____

(Specify)

Date: 1-21-00

Submitted by: [signature]

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HYDROLOGY SECTION