CITY OF ALBUQUERQUE

November 21, 2005

Mr. Frank Lovelady, P.E.
300 Alamosa Road NW
Albuquerque, NM 87108

Re: PINO AVENUE OFFICE WAREHOUSE
5660 Pino Rd. NE
Approval of Permanent Certificate of Occupancy (C.O.)
Engineer's Stamp dated 02/16/2005 (D-18/D45)
Certification dated 11/17/2005

Dear Frank:

Based upon the information provided in your submittal received 11/21/2005, the above referenced certification is approved for release of Permanent Certificate of Occupancy by Hydrology.

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

Sincerely,

Arlene V. Portillo

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

C: Phyllis Villanueva
File

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

CITY OF ALBUQUERQUE

February 25, 2005

Frank Lovelady, P.E.
300 Alamosa Rd. NW
Albuquerque, NM 87107

Re: Pino Avenue Office/Warehouse, 5660 Pino Rd. NE, Grading and Drainage Plan, Engineer's Stamp dated 2-16-05 (D-18/D45)

Dear Mr. Lovelady,

Based upon the information provided in your submittal received 2-18-05, the above referenced plan is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology. **Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.**

In addition, per Matt Cline (250-2640) the existing sidewalk culvert between lots 9 and 10 is not to City Standards. Since your site drains to it, you will be responsible for bringing it into compliance. This is a condition of Certificate of Occupancy.

If you have any questions, please feel free to contact me at 924-3994.

Sincerely,

Tony Loyd

Tony Loyd
Engineer Associate
Planning Department
Development and Building Services Division
Transportation Section
BLB

C: File

P.O. Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

CITY OF ALBUQUERQUE

Planning Department
Transportation Development Services Section

November 29, 2005

Richard P. Bennett, Registered Architect
RICK BENNETT ARCHITECTS, INC.
1104 Park Avenue SW
Albuquerque, NM 87102

Re: Certification Submittal for Final Building Certificate of Occupancy for
PINO STREET OFFICE/WAREHOUSE, [D18 /D45]
5660 Pino Road NE
Architect's Stamp Dated 11/28/2005

Dear Mr. Bennett:

The TCL / Letter of Certification submitted on November 28, 2005 is sufficient for acceptance by this office for final Certificate of Occupancy (C.O.). Notification has been made to the Building and Safety Section.

Sincerely,

Phillip J. Lovato
Engineering Associate
Development and Building Services
Planning Department

c: Engineer
Hydrology file
CO Clerk

P.O. Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

CITY OF ALBUQUERQUE

April 20, 2005

Richard Bennett, R.A.
Rick Bennett Architects
1104 Park Ave. SW
Albuquerque, NM 87102

Re: Pino Street Office / Warehouse, 5660 Pino Street NE, Traffic Circulation Layout
Architect's Stamp dated 2-17-05 (D18-D45)

Dear Mr. Bennett,

The TCL submittal received 4-20-05 is approved for Building Permit. The plan is stamped and signed as approved. A copy of this plan will be needed for each of the building permit plans. Please keep the original to be used for certification of the site for final C.O. for Transportation.

If a temporary CO is needed, a copy of the original TCL that was stamped as approved by the City will be needed. This plan must include a statement that identifies the outstanding items that need to be constructed or the items that have not been built in "substantial compliance," as well as the signed and dated stamp of a NM registered architect or engineer. Submit this TCL with a completed Drainage and Transportation Information Sheet to Hydrology at the Development Services Center of Plaza Del Sol Building.

When the site is completed and a final C.O. is requested, use the original City stamped approved TCL for certification. A NM registered architect or engineer must stamp, sign, and date the certification TCL along with indicating that the development was built in "substantial compliance" with the TCL. Submit this certification TCL with a completed Drainage and Transportation Information Sheet to Hydrology at the Development Services Center of Plaza Del Sol Building.

Once verification of certification is completed and approved, notification will be made to Building Safety to issue Final C.O. To confirm that a final C.O. has been issued, call Building Safety at 924-3306.

Sincerely,

Kristal D. Metro
Engineering Associate, Planning Dept.
Development and Building Services

cc: file

D-18/D45

P.O. Box 1293
Albuquerque
New Mexico 87103
www.cabq.gov

rick
bennett
ARCHITECTS

November 28, 2005

Traffic Engineer
City of Albuquerque
Planning Department
600 2nd Street NW
Albuquerque, NM 87102

Dear Sir,

I hereby provide Certification that the Pino Office / Warehouse project at 5660 Pino Street NE has been built in substantial compliance with the approved Traffic Circulation Layout Plan, dated 04/20/05 and Architectural stamp dated 02/17/05.

Sincerely,

STATE OF NEW MEXICO
RICHARD P. BENNETT
No. 1240
NOV 28 2005
REGISTERED ARCHITECT

Rick Bennett

RECEIVED
NOV 28 2005
HYDROLOGY SECTION

1104 Park Avenue SW · Albuquerque, New Mexico 87102 505-242-1859 Fax 505-242-6630

City of Albuquerque

August 31, 1999

Larry Read, P.E.
Larry Read & Associates, Civil Engineers
P.O. Box 90233
Albuquerque, NM 87199-0233

RE: LOGEX MAINTENANCE SHOP (D18-D45). DRAINAGE REPORT AND GRADING PLAN FOR BUILDING PERMIT AND SO#19 PERMIT APPROVALS. ENGINEER'S STAMP DATED JULY 12, 1999.

Dear Mr. Read:

Based on the information provided on your August 12, 1999 submittal, the above referenced project is approved for Building Permit and for SO#19 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.

Please update the Grading Plan plan to include/show the latest location of the proposed building for the record drawings. The updated copy will be used for the SO#19 Permit.

Prior to Certificate of Occupancy approval, an Engineer's Certification per the DPM will be required.

Transportation's comments on the T.C.L. will be by separate cover.

Note well that this submittal was logged into our system on August 12, 1999, a full month after the date on the report itself. If I can be of further assistance, please feel free to contact me at 924-3984.

Sincerely,

John P. Murray, P.E.
Hydrology

c: Pam Lujan
D. Salas, St. Maint.
W. Reierson
File

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

December 22, 1999

Larry D. Read, PE
Larry Read & Associates
12836-B Lomas NE
Albuquerque, NM 87112

Re: Logex Maintenance Shop Grading and Drainage Plan
Engineer's Stamp dated 7-13-99, (D18/D45)

Dear Mr. Read,

Based upon the information provided in your submittal dated 10-22-99, the above referenced site is approved for SO19 Permit.

A separate permit is required for construction within City R/W. A copy of this approval letter must be on hand when applying for the excavation permit.

Please be advised that prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

If I can be of further assistance, please contact me at 924-3986

Sincerely,

Bradley L. Bingham

Bradley L. Bingham, PE
Hydrology Review Engineer

C: Pam Lujan
file

City of Albuquerque

March 29, 2000

Larry Read, P.E.
Larry Read & Associates
12836-B Lomas Blvd., NE,
Albuquerque, NM 87112

RE: ENGINEER'S CERTIFICATION FOR LOGEX INSPECTION BUILDING, (D-18/D45), ENGINEER'S STAMP DATED JULY 12, 1999, CERTIFICATION DATED FEBRUARY 3, 2000.

Dear Mr. Read,

Based upon the information provided in your submittal dated March 27, 2000, the Engineering Certification for Certificate of Occupancy for the project referred to above is approved.

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

DRAINAGE REPORT

for

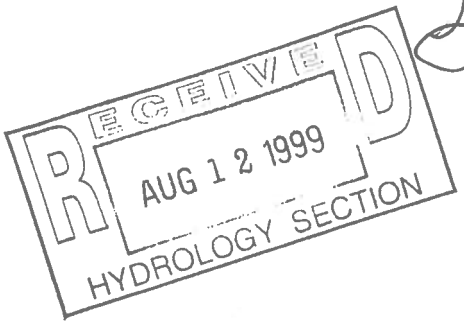
LOGEX INSPECTION FACILITY

5650 PINO AVENUE N.E.

Albuquerque, New Mexico

JULY 12, 1999

7/12/99



PREPARED BY
LARRY D. READ, PE
12836-B Lomas Blvd., NE
ALBUQUERQUE, NEW MEXICO 87112
(505) 237-8421

DRAINAGE REPORT

for

LOGEX INSPECTION FACILITY

5650 PINO AVENUE N.E.

Albuquerque, New Mexico

July 12, 1999

PURPOSE

The owner of this site is proposing to construct 3500 square foot prefabricated metal building on the site along with some associated storage areas. The site will be graveled with the exception of the building area and the vehicle parking lot along the north side of the property.

LOCATION & DESCRIPTION

This facility is located at 5650 Pino Avenue NE. Unit A, Block 5, Lot 9, North Albuquerque Acres.

The existing 0.89 acre site is a portion of a three parcel (2.67 acre) construction yard. Although the three parcels are separate legal descriptions, they have been graded to meet each other to form a continuous surface. The yard has been graded and used to store equipment and materials and is therefore void of any vegetation and heavily compacted.

EXISTING DRAINAGE CONDITIONS

In order to analyze runoff from the site, it has been divided into two drainage basins: the offsite basin discharging to this site from the adjoining two parcels to the east of this site that form the construction yard discussed above, and the onsite drainage.

The existing site is graded to drain west at about 1.2 %. The runoff from this site predominantly runs into the parcel to the west creating a cross lot drainage situation. Likewise, the runoff from the two parcels to the east (that form the existing construction yard) drain across this site. The combined runoff from all of these parcels eventually discharge into Pino Ave. near the intersection of Pino and the east frontage road on I-25. A cattle guard inlet at the intersection directs the runoff south in the earthen channel along the east side of the frontage road. This

channel eventually discharges into the North Arroyo Del Pino which crosses under I-25 Into the Journal Center Area. The North Arroyo Del Pino is 1200 feet south of Pino Ave.

FLOOD PLAIN STATUS

As shown on FIRM Panels 350001C0137 D, effective September 20, 1996, no portion of this site or Pino Ave. is included in a 100-year floodplain.

METHODOLOGY

The hydrology for this project was analyzed using the January 1993 revision of the City of Albuquerque Development Process Manual, Section 22.2 as follows:

The specific values used for this analysis are as follows:

-Precipitation Zone 2

-Design Storm 100-year, 6-hour duration
i = 2.35 inches (t_c = 0.2 hours)

The AHYMO computer model of the runoff volumes and peak flow rates is included in the Appendix for reference.

Note that on-site developed land treatments have been calculated based on proposed treatment. Off-site developed land treatment was based on 90% impervious surfacing.

SUMMARY

Basin	Location	Conditions	Q100	Q10	V100	V10
Basin A	On-site	Existing	3.08	2.03	4,182	2,760
Basin A	On-site	Developed	3.50	2.31	5,184	3,421
Basin B	Off-site	Existing	6.15	4.10	8,320	5,491
Basin B	Off-site	Developed	8.51	5.62	14,288	9,430

Increase to Pino Avenue for Proposed Construction

Q100 = 3.50 - 3.08 = 0.42cfs
V100 = 5,184 - 4,182 = 1002 cf

AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) - - VERSION: 1997.02c RUN DATE (MON/DAY/YR) =07/11/1999
INPUT FILE = D:\ahymo\LOGEX.TXT USER NO.= AHYMO-I-9702a0100001A-SH

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME= .00
*S	COMPUTE 100 YR. 6 HR. HYDROGRAPHS									
*S	LOgeX.TXT - HYMO PER JAN 1993 DPM REVISIONS									
*S	PRECIPITATION ZONE 3 - P360 - 2.60									
*S										
*S										
RAINFALL	TYPE= 1									RAIN6= 2.600
*S										
*S	COMPUTE RUNOFF FOR EXISTING CONDITIONS ON-SITE									
*S										
*S										
*S	ON-SITE BASIN A									
COMPUTE NM HYD	101.10	-	1	.00139	3.08	.096	1.28888	1.500	3.462	PER IMP= .00
*S										
*S										
*S	OFF-SITE BASIN B									
COMPUTE NM HYD	102.10	-	2	.00278	6.15	.191	1.28888	1.500	3.457	PER IMP= .00
*S										
*S										
*S	COMPUTE RUNOFF FOR DEVELOPED CONDITIONS									
*S										
*S										
*S	ON-SITE BASIN A									
COMPUTE NM HYD	103.10	-	3	.00139	3.50	.119	1.60741	1.500	3.932	PER IMP= 31.00
*S										
*S										
*S	OFF-SITE BASIN B									
COMPUTE NM HYD	104.10	-	4	.00278	8.51	.328	2.21296	1.500	4.785	PER IMP= 90.00
*S										
*S										
*S										
FINISH										

OFF-SITE CHANNEL
Worksheet for Rectangular Channel

Project Description	
Project File	c:\haestad\fmw\lojax.fm2
Worksheet	Lojax Inspection Facility
Flow Element	Rectangular Channel
Method	Manning's Formula
Solve For	Channel Depth

Input Data		
Mannings Coefficient	0.030	
Channel Slope	0.005000	ft/ft
Bottom Width	3.00	ft
Discharge	8.51	cfs

Results		
Depth	1.10	ft
Flow Area	3.29	ft²
Wetted Perimeter	5.20	ft
Top Width	3.00	ft
Critical Depth	0.63	ft
Critical Slope	0.024417	ft/ft
Velocity	2.58	ft/s
Velocity Head	0.10	ft
Specific Energy	1.20	ft
Froude Number	0.43	
Flow is subcritical.		

Channel 18" OC

No Jump

ON-SITE CHANNEL
Worksheet for Rectangular Channel

Project Description	
Project File	c:\haestad\fmw\lojax.fm2
Worksheet	Lojax Inspection Facility
Flow Element	Rectangular Channel
Method	Manning's Formula
Solve For	Channel Depth

Input Data		
Mannings Coefficient	0.030	
Channel Slope	0.004000	ft/ft
Bottom Width	2.00	ft
Discharge	3.50	cfs

Results		
Depth	0.91	ft
Flow Area	1.83	ft²
Wetted Perimeter	3.83	ft
Top Width	2.00	ft
Critical Depth	0.46	ft
Critical Slope	0.028121	ft/ft
Velocity	1.91	ft/s
Velocity Head	0.06	ft
Specific Energy	0.97	ft
Froude Number	0.35	
Flow is subcritical.		

Channel 12" OK

No Jump

2/3/2000

WEST DRAINAGE SWALE
Worksheet for Rectangular Channel

Project Description	
Project File	d:\acad projects\jnr\logex\lojax.fm2
Worksheet	Lojax Inspection Facility
Flow Element	Rectangular Channel
Method	Manning's Formula
Solve For	Channel Depth

Input Data		
Mannings Coefficient	0.030	
Channel Slope	0.005000	ft/ft
Bottom Width	3.00	ft
Discharge	3.50	cfs

Results		
Depth	0.59	ft
Flow Area	1.77	ft²
Wetted Perimeter	4.18	ft
Top Width	3.00	ft
Critical Depth	0.35	ft
Critical Slope	0.024623	ft/ft
Velocity	1.98	ft/s ←
Velocity Head	0.06	ft
Specific Energy	0.65	ft
Froude Number	0.45	
Flow is subcritical.		

SIDEWALK CULVERT CAPACITY 4 - 24" CULVERT

$Q_{100} = 3.5$ cfs

WEIR $Q = CLH^{3/2}$ $L = 2'$

$C = 2.67$

$h_{max} = .67' + \frac{V^2}{2g} = 0.73'$

$Q = 2.67 * 2 * (0.73)^{3/2} = 3.33$ cfs $< Q_{100} = 3.5$ cfs

Mannings (Pg 2) $d = 0.59 < .67$ - Controls SAT OK since $\approx Q_{100}$