



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 2, 1991

D. Mark Goodwin, P.E.
D. Mark Goodwin & Associates
Post Office Box 90606
Albuquerque, New Mexico 87199

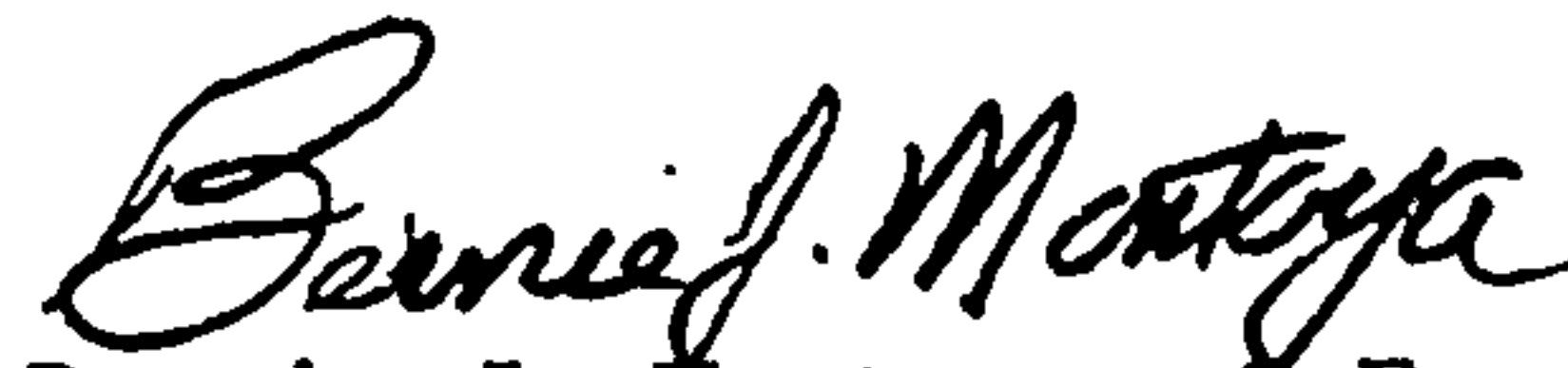
RE: ENGINEER'S CERTIFICATION FOR HOUSE OF CARPETS
(F-16/D5D) CERTIFICATION STATEMENT DATED NOVEMBER 26, 1991

Dear Mr. Goodwin:

Based on the information provided on your submittal of November 22, 1991, the referenced site is acceptable for Engineer's Certification.

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

Cordially,


Bernie J. Montoya, C.E.
Engineering Assistant

xc: Alan Martinez

BJM/bsj
(WP+512)

PUBLIC WORKS DEPARTMENT

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

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 3, 1991

D. Mark Goodwin
D. Mark Goodwin & Associates
Post Office Box 90606
Albuquerque, New Mexico 87199

RE: DRAINAGE PLAN FOR HOUSE OF CARPETS (F-16/D5D)
ENGINEER'S STAMP DATED MARCH 28, 1991

Dear Mr. Goodwin:

Based on the information provided on your submittal of March 28, 1991, the above referenced plan is approved for Building Permit.

Please be advised that a separate permit is required for construction within City right-of-way. A copy of this approval letter must be on hand when applying for the excavation permit. Also, prior to Certificate of Occupancy release, Engineer's Certification per the DPM checklist will be required.

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

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: Alan Martinez

BJM/bsj
(WP+512)

PUBLIC WORKS DEPARTMENT

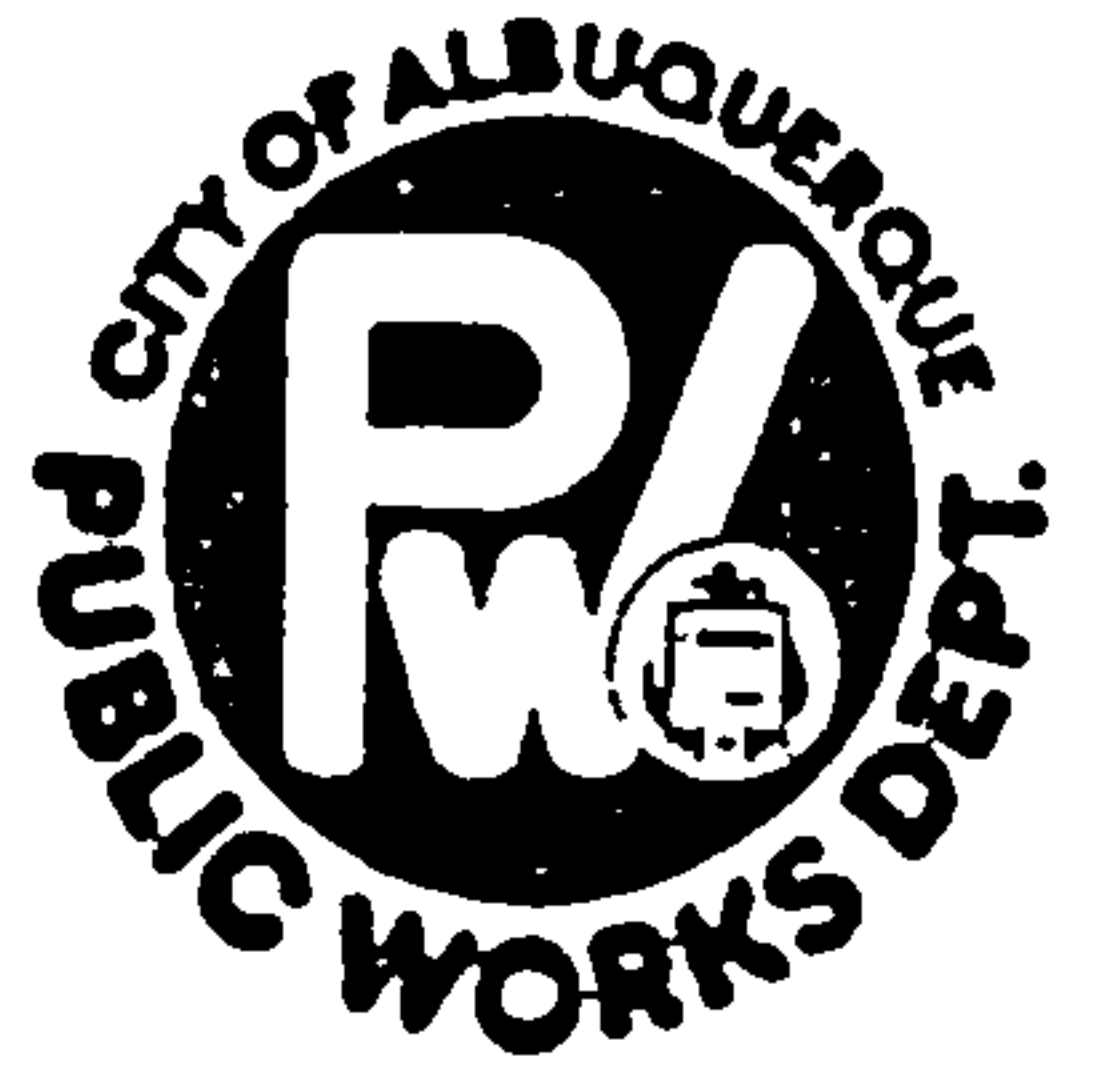
Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT




INTER-OFFICE CORRESPONDENCE

April 3, 1991

ENGINEERING GROUP

TO: Desiderio Salas; Street Maintenance Division

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

SUBJECT: PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC RIGHTS-OF-WAY/EASEMENT
HOUSE OF CARPETS - (F-16/D5D)

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



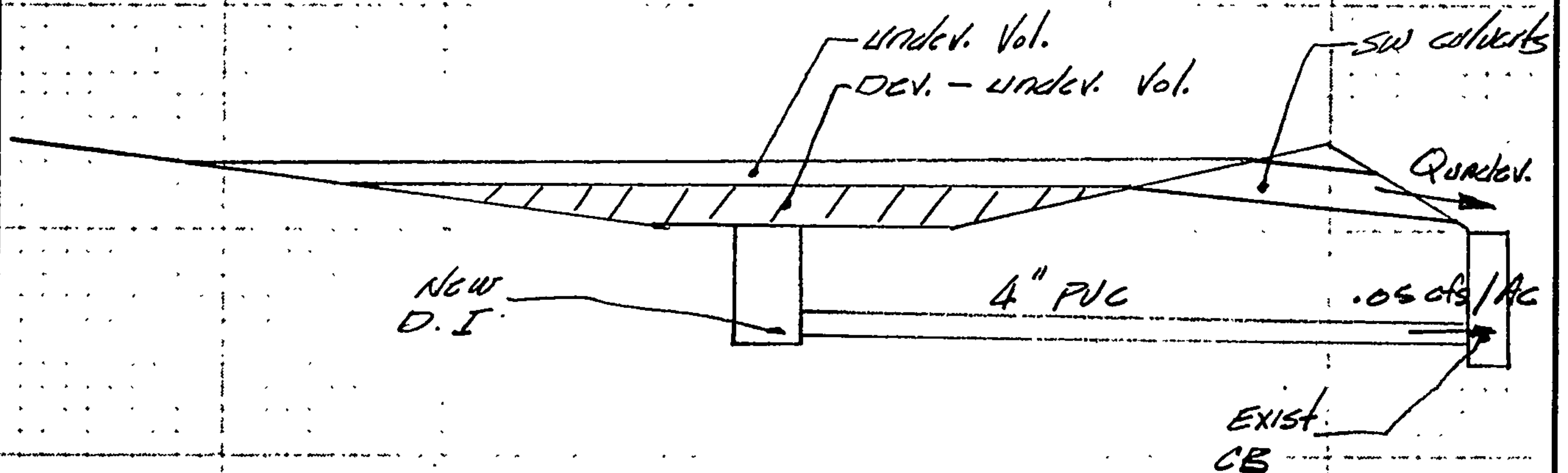
D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors

JOB House of Carpets
SUBJECT Drainage
JOB NO. _____ SHEET 1 OF 5
BY MG DATE 3/19/91
CHECKED _____ DATE _____

The intent is to pond the difference in the undeveloped volume and the developed volume. Discharge rate is 0.05 cfs / Ac. we will pond in two places:

1. parking lot w. of bldg.
2. loading dock area

Two ponds will be connected via 8" PVC then discharge to existing catch basin in merchantile via orifice controlled 4" PVC.



$$\text{Total D.A.} = 3.18 \text{ Ac.}$$

$$P = 2.2 \text{ in.}$$

$$C = .40$$

$$T_c = 10 \text{ min.}$$

$$I = 4.65 \text{ in/hr.}$$

$$Q(\text{undev.}) = 6 \text{ cfs}$$



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

JOB House of Carpets
SUBJECT Drainage
JOB NO. _____ SHEET 2 OF 5
BY MG DATE 3/19/91
CHECKED _____ DATE _____

$$\text{Vol. (undevel.)} = 10,200 \text{ cu. Ft.}$$

For developed, we will use 24 hr. storm since detention time > 6 Hrs. $P = 2.6 \text{ in.}$

$$D.A. = 3.18 \text{ Ac.}$$

$$P = 2.6 \text{ in.}$$

$$C = 0.83$$

$$T_c = 10 \text{ min.}$$

$$I = 5.5 \text{ in/hr}$$

$$Q = CIA$$

$$(.83)(5.5)(3.18)$$

$$Q = 15 \text{ cfs}$$

$$\text{Vol.} = 24,900 \text{ cu. Ft.}$$

$$\Delta \text{Vol. (to be ponded)} = 14,700 \text{ cu. Ft.}$$

$$Q(\text{allow.}) = 0.16 \text{ cfs} \rightarrow \text{Time to drain} = 25 \text{ Hrs.}$$

Proposed system will pond initial vol. of 14,700 cu. Ft. & discharge @ .16 cfs. All vol. above that will be discharged via sidewalk culverts sized for 6 cfs. Landscaping berm adjacent to culverts will contain entire volume, so that 6 cfs is not exceeded.

Need to determine vol. in both ponds to find max. ponding elev. & size orifice in outfall.

$$D.A. 1 = 0.40 \text{ Ac.}$$

$$P = 2.6 \text{ in.}$$

$$C = .83$$

$$T_c = 10 \text{ min.}$$

$$I = 5.5 \text{ in/hr}$$



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

JOB House of Carpets
SUBJECT Drainage
JOB NO. _____ SHEET 5 OF 5
BY MG DATE 3/19/91
CHECKED _____ DATE _____

$$Q = 2 \text{ cfs}$$

Vol. = 3100 cu. Ft. Needs to be ponded
@ Loading Dock area

D.A. 2 = 21,800 cu. Ft. Pond 2 needs to
have a vol. = $21,800 - 10,200 = \underline{11,600 \text{ cu. Ft.}}$

PONDING VOLUMES PROVIDED

D.A. 2

<u>Elev.</u>	<u>Δ Elev.</u>	<u>Area</u>	<u>Avg. Area</u>	<u>Vol.</u>
92.50		0		
	.50		10,500	5250
93.00		21,000		
	.50		29,500	14,750
93.50		38,000		
	.50		43,000	21,800
94.00		49,200		
				<u>41,800 cu. Ft.</u>

D.A. 1

92.80		0		
	0.20		280	56
93.00		560		
	1.0		2160	2160
94.00		3760		
	1.0		5680	5680
95.00		7600		
				<u>7896 cu. Ft.</u>



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

JOB House of Carpets
SUBJECT Drainage
JOB NO. _____ SHEET 4 OF 5
BY MG DATE 3/19/91
CHECKED _____ DATE _____

MAX. Water Surface Elev.:

$$D.A. 2 = \frac{24,900}{41,800} (1.5) + 92.50 = \underline{\underline{93.39}}$$

For inv. of sidewalk culverts:

$$\frac{11,600}{41,800} (1.5) + 92.50 = \underline{\underline{92.92}}$$

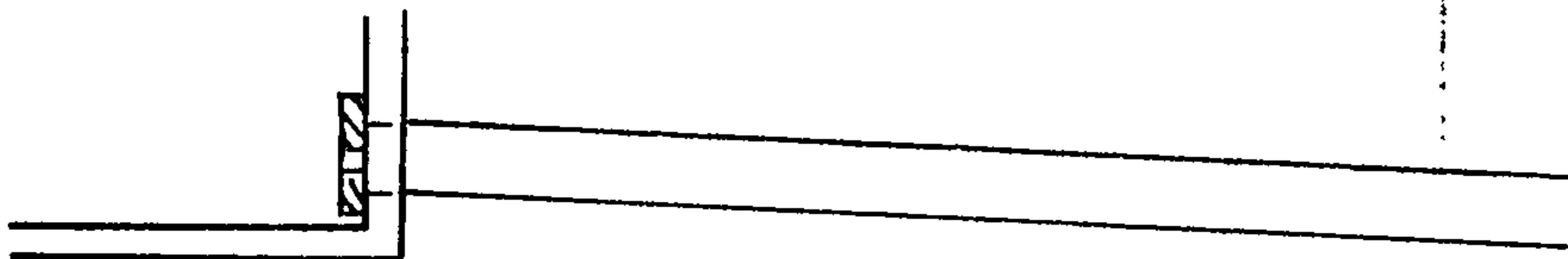
$$\text{Head on Orifice} = 93.39 - 88.97 = 4.42'$$

$$\text{Head on culverts} = 93.39 - 92.92 = 0.47'$$

$$D.A. 1 = \frac{3100}{7896} (2.20) + 92.80 = \underline{\underline{93.66}}$$

Principal outlet:

Outlet will be via 4" C-900 PVC to back of drop inlet in Merchantile. Flow will be restricted to 0.10 cfs via orifice plate in drop inlet in parking lot





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

JOB HOUSE OF CARPETS
SUBJECT DRAINAGE
JOB NO. _____ SHEET 5 OF 5
BY MG DATE 3/20/91
CHECKED _____ DATE _____

$$Q = CA \sqrt{2gH}$$

$$H = 4.42'$$

$$C = 0.8$$

$$16 = .8 A \quad 16.87 = 13.50 A$$

$$A = 0.01185 \text{ S.F.} = 1.71 \text{ sq. in.}$$

$$A = \pi r^2 \quad 1.71 = \pi r^2 \Rightarrow r = 0.74 \text{ in.}$$

$$D = \underline{\underline{1.5''}}$$

EMERGENCY SPILLWAY:

MAX Ponding elev. = 93.39 vs. MAX. Driveway
Elev. = 93.45 or .06 Higher \Rightarrow USE driveway
for emergency spillway.

Sidewalk culverts:

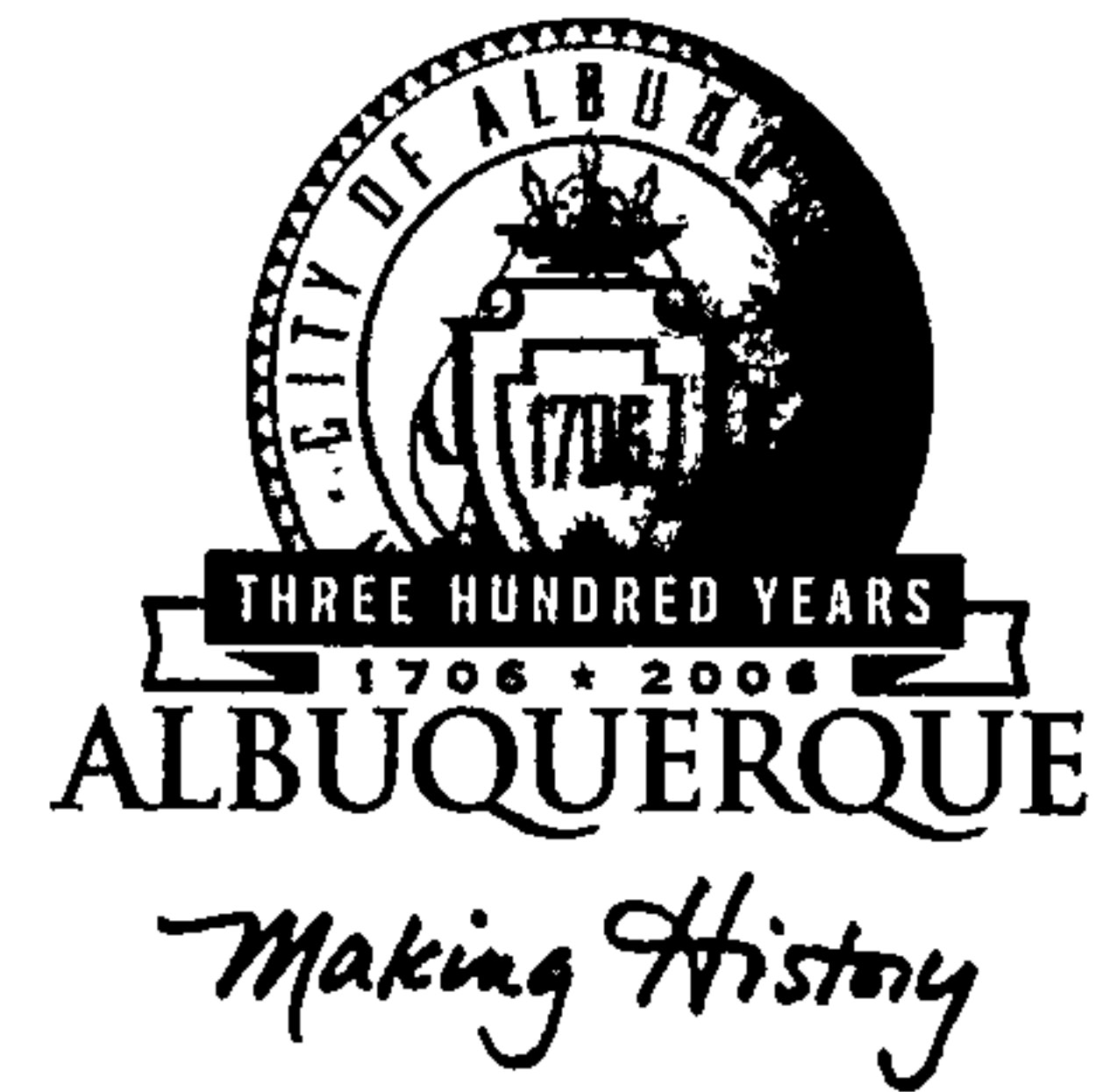
$$Q(\text{Allow.}) = 6 \text{ cfs.}$$

$$H = 0.47'$$

$$Q = CLH^{3/2}$$

$$L = \frac{Q}{CH^{3/2}} = \frac{6}{2.9(.47)^{3/2}} = 6.42' \text{ USE 4-2' culverts}$$

CITY OF ALBUQUERQUE



February 4, 2005

Bert Gregory III, R.A.
Mithun
1201 Alaskan Way #200
Seattle, WA 98101

Re: REI Remodel, 1550 Mercantile Ave, Traffic Circulation Layout
Architect's Stamp dated 2-03-05 (F16-D5D)

Dear Mr. Gregory,

The TCL submittal received 2-04-05 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

F-16/D5D

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

PROJECT TITLE: Remodel REI- Albuquerque _____ ZONE MAP: F-16
 DRB#: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: Easterly portion of Tract 5, Section 34, T 11N R3E NM P.M., Renaissance Center Sub
 CITY ADDRESS: 1550 Mercantile Ave, Albuquerque, 87107 _____

ENGINEERING FIRM: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____
 CITY, STATE: _____ ZIP CODE: _____

OWNER: Recreational Equipment Inc. _____ CONTACT: Susan Neaton
 ADDRESS: PO Box 1938 _____ PHONE: 253 395 8123
 CITY, STATE: Sumner, WA _____ ZIP CODE: 98390

ARCHITECT: Mithun _____ CONTACT: Steve Swanson
 ADDRESS: 1201 Alaskan Way #200 _____ PHONE: 206 623-3344
 CITY, STATE: Seattle Wa _____ ZIP CODE: 98101

SURVEYOR: (Original) D Mark Goodwin & Assoc _____ CONTACT: None
 ADDRESS: PO box 90606 _____ PHONE: 505 826 2200
 CITY, STATE: Albuquerque, NM _____ ZIP CODE: 87199

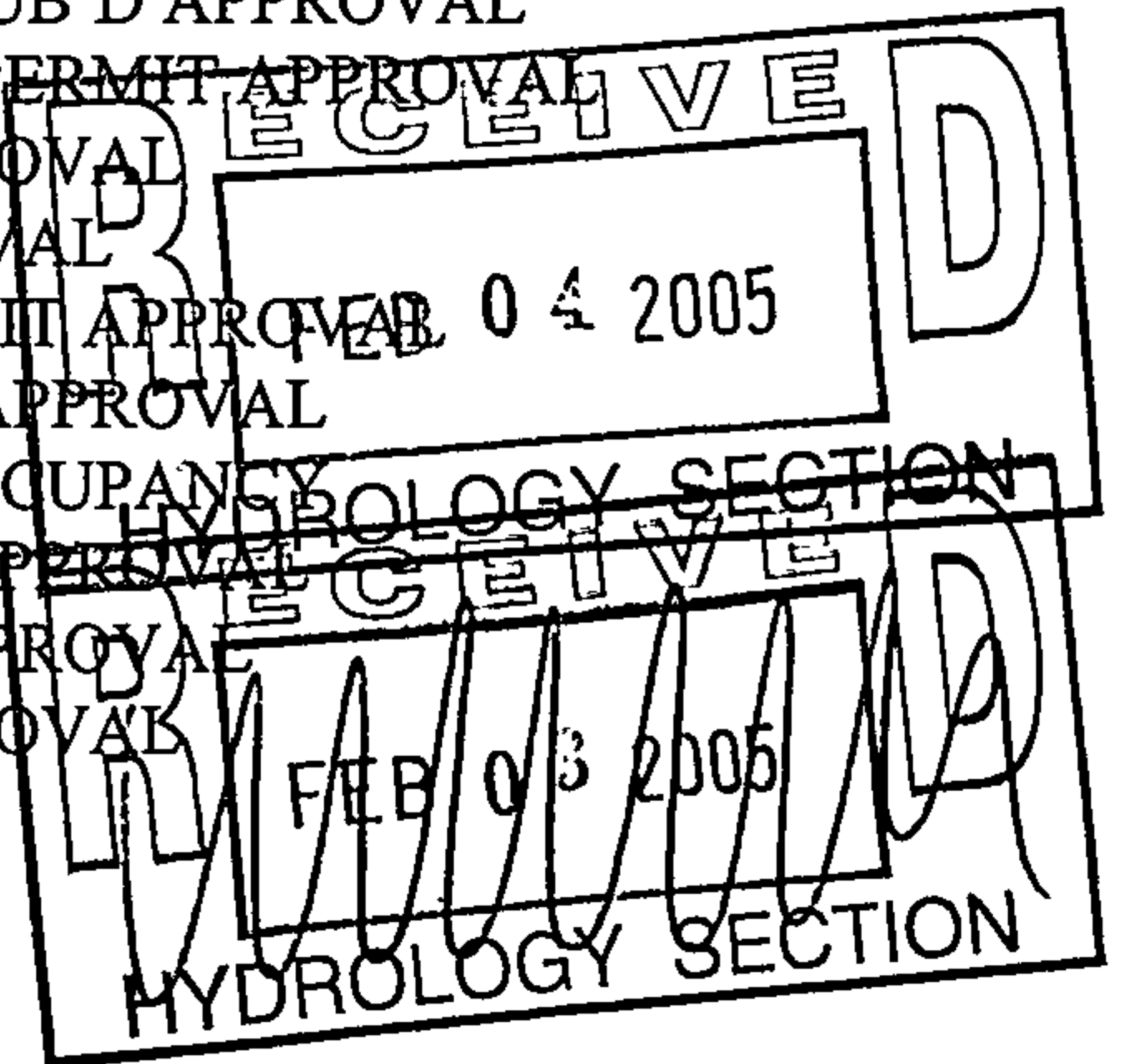
CONTRACTOR: Skyline Constructors Lic. # 90458 _____ CONTACT: Steve Taran
 ADDRESS: PO Box 51353 _____ PHONE: 303 994-9133
 CITY, STATE: Albuquerque, NM _____ ZIP CODE: 87181

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT
 ____ DRAINAGE PLAN 1st SUBMITTAL
 ____ DRAINAGE PLAN RESUBMITTAL
 ____ CONCEPTUAL G & D PLAN
 ____ GRADING PLAN
 ____ EROSION CONTROL PLAN
 ____ ENGINEER'S CERT (HYDROLOGY)
 ____ CLOMR/LOMR
 Resubmittal X TRAFFIC CIRCULATION LAYOUT
 ____ ENGINEER'S CERT (TCL)
 ____ ENGINEER'S CERT (DRB SITE PLAN)
 ____ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

____ SIA/FINANCIAL GUARANTEE RELEASE
 ____ PRELIMINARY PLAT APPROVAL
 ____ S. DEV. PLAN FOR SUB'D APPROVAL
 ____ S. DEV. FOR BLDG. PERMIT APPROVAL
 ____ SECTOR PLAN APPROVAL
 ____ FINAL PLAT APPROVAL
 ____ FOUNDATION PERMIT APPROVAL
 X BUILDING PERMIT APPROVAL
 ____ CERTIFICATE OF OCCUPANCY
 ____ GRADING PERMIT APPROVAL
 ____ PAVING PERMIT APPROVAL
 ____ WORK ORDER APPROVAL
 ____ OTHER (SPECIFY)



WAS A PRE-DESIGN CONFERENCE ATTENDED:

____ YES
 X NO
 ____ COPY PROVIDED

DATE SUBMITTED: Feb 3 2005

BY: Steve Swanson

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.