PLANS/PLATS ON FILE

FILE DESC: P-12/0007

PLANS/PLATS 1

ADDENDUM NO. 3

MAY 4, 1989

RECEIVED
AUG 10 1989
HYDROLOGY SECTION

RE: SOUTH VALLEY LIBRARY
ALBUQUERQUE BERNALILLO COUNTY
LAGUNA BOULEVARD, SW
ALBUQUERQUE, NEW MEXICO

FROM THE OFFICE OF: DE LA TORRE-RAINHART, P.A., A.I.A.
700 LOMAS BOULEVARD, NE, SUITE 200
TWO WOODWARD CENTER
ALBUQUERQUE, NEW MEXICO 87102

NOTE: This Addendum has been distributed to all known Bidders of Record. It shall be their responsibility to distribute this information to all subcontractors and suppliers as required. No allowance will made for failure to do so.

The Plans and Specifications dated February 17, 1989 and titled as above are hereby amended as follows:

SPECIFICATIONS:

A. Index: Change Basic Requirements Section Number to 01001 in lieu of 01010.

B. Section 00300, Bid Form: Page 00300-4 Subcontractor List; Bidder shall make the following changes on form:

1. Delete "Precast Concrete" and substitute "landscaping".

2. Delete "Ext. Ins. and Finish" and substitute "Stucco".

C. Section 02905, Landscaping:

1. Page 1, Paragraph 1.03-A, change referenced Section Number to 01001 in lieu of 01010.

2. Add to Paragraphs 1.04, 2.04 and 3.06 the items on the attached Sheet ADE3-1.

D. Section 06181, Glue Lam Structural Units:

1. Delete PAragraph 1.03.

2. Paragraph 2.03 A: Delete the words "Architectural Premium". (Grade shall be Industrial.)

E. Section 06200, Finish Carpentry; Clarification:

No fire-treated materials are required on this project.

F. Section 08800, Glazing:

1. Paragraph 2.02 B, change outer and inner pane thickness to 1/4". Change total unit thickness to 1".

2. Add Paragraph 2.02 C:

Insulated Glass Units (Type SG-A): Double pane with glass elastomer edge seal; outer pane of 1/8" glass, inner pane of 1/8" glass; interpane space purged dry hermetic air; total unit thickness of 5/8" inch. Tempered both panes.

G. Section 09220, Portland Cement Plaster:

Change Paragraph 3.04-H to read: "... at maximum 9 inches o.c., with 3/4" to 1" penetration of masonry.

DRAWINGS:

A. Sheet C2, Grading and Drainage Plan:

1. Replace Hydrology Table in lower left corner of the sheet with the table on attached Sheet ADE3-2.

2. Replace Pond Volume Table at lower right with table on attached Sheet ADE3-1.

B. Sheet C3, Site Utility Plan, Clarification:

Contractor shall pay all costs associated with the utilities construction shown, including but not limited to, the City of Albuquerque engineering fees, inspection fees and permits for the construction of the fire hydrant, Contractor will be required to furnish insurance, bonds and documentation per City of Albuquerque Public Works Department requirements. Fire hydrant work is City Project Number 3776.

C. Sheet A10, Window and Frame Types:

All insulating glass in aluminum storefront frames only shall be 1" thick in lieu of 3/4".

D. Sheets E1, E2, E3, Electrical:

See attached Sheets ADE3-3 and ADE3-4.

PRIOR APPROVALS:

The following products have been approved as acceptable substitutions to products specified, subject to the provisions of the Specifications.

Plywood I-Joists ("TJI's"):

Timberweld, Weyerhauser, Truss-Joist.

Mortar (Section 04100):

"Easy-Spred" mortar plasticizer by American Colloid Co., as replacement for hydrated lime. Proportion per manufacturer's recommendations.

Light Fixtures (Division 16):

See attached Sheet ADE3-5.

All other provisions and conditions of the Plans and Specifications shall remain unchanged.

ISAAC BENTON, PROJECT MANAGER
DE LA TORRE-RAINHART, P.A., A.I.A.

LETTERS\FORMS\ADDEND01.FRM

SECTION 02905, LANDSCAPING

1.04 Maintenance Service
Add the following:

B. Maintain native seeded areas for six weeks following seeding operations. Maintenance shall include watering, cleaning seeded areas of trash and debris, and reseeding all bare areas larger than one square foot.

PART 2 PRODUCTS
Add the following:

2.04 Native Seed

A. Seed: All seed shall be labeled in accordance with the U.S. Department of Agriculture rules and regulations under the Federal Seed Act in effect on the date of the Invitation to Bid on this project, and shall comply with the State Seed Laws of the State of New Mexico. Seed shall be mixed in the presence of the Architect in the proportions and variety indicated on the drawings. The Contractor shall notify the Architect of the time and location seed is to be mixed at least 48 hours prior to mixing seed.

PART 3 EXECUTION
Add the Following:

3.06. Native Seeding

Seed shall be sown by drilling and crimping. Seed shall not be sown during windy weather.

Drilling and crimping procedure:

Rip seed bed in two directions and plow with a 'plow disc' to a minimum of six (6) inches.

Drill seed mix at 1/2 inch depth at the rate indicated on drawings.

Blow on hay (not straw) mulch at a rate of 2 tons per acre.

Crimp straw mechanically to a minimum depth of two (2) inches.

After installation, water native seed for six weeks with a temporary watering system at the following rates:

Weeks 1 thru 3: 1-1/2" water twice per week
Weeks 4 thru 6: 1-1/2" water once per week

SOUTH VALLEY LIBRARY
APRIL 4 1989
ADE 3-1

HYDROLOGY

HYDROLOGY SUMMARY SHEET FOR GRADING & DRAINAGE REPORT PROJECT: SOUTH VALLEY LIBRARY BY: MARTIN J. GARCIA DATE: DEC. 22, 1988										RUNOFF PARAMETERS FOR 2 YEAR EVENT				RUNOFF PARAMETERS FOR 10 YEAR EVENT				RUNOFF PARAMETERS FOR 100 YEAR EVENT			
A.P. #	DESCRIPTION	AREA (ac.)	HT. (ft)	LGTH. (ft)	SLOPE (ft/ft)	Tc (min)	SOIL	CN	C	P	I	V	Q	P	I	V	Q	P	I	V	Q
1.0	DEVELOPED	3.01	3	280	0.011	<10	B	87.0	0.60	1.20	2.54	3714	4.6	1.77	3.75	8338	6.8	2.70	5.71	16172	10.3
2.0	UNDEVELOPED	3.00	3	320	0.009	<10	B	75.0	0.40	1.20	2.54	885	3.0	1.77	3.75	3201	4.5	2.70	5.71	8390	6.8

P = 24 Hr. RAINFALL DEPTH (inches)
I = RAINFALL INTENSITY (inches) FOR 24 Hr EVENT, (Ref. NOAA ATLAS 2)
V = VOLUME OF RUNOFF (cubic feet)
Q = PEAK RATE OF RUNOFF (cubic feet per second)

DRAINAGE PLAN

5150
2746
1663
1107
101,666

VOLUME TABLE

BASIN	V REQ'D.	POND	V PROVIDED	BASIN	V PROVIDED
A	9056 CU. FT.	A	5150 CU. FT.	A	4860 CU. FT.
B	3073 CU. FT.	D	2746 CU. FT.	B	1107 CU. FT.
C	4043 CU. FT.	B	1663 CU. FT.	C	*
		C	1107 CU. FT.		

* THE ADDITIONAL 1086 CU.FT. REQ'D IS PROVIDED IN BASIN "A" - WATER WILL OVERFLOW FROM BASIN "C" TO BASIN "A"

NOTE: VOLUMES SHOWN ARE FOR THE 100 YR. 24 HOUR EVENT.

SOUTH VALLEY LIBRARY
APRIL 4, 1989
ADE 3-2

ELECTRICAL ADDENDUM - SOUTH VALLEY LIBRARY - MAY 3, 1989

DRAWINGS

Sheet E-1

1.) (Add) - Add concrete pole base for Type "S" & "T" Fixtures. Pole base shall be 24" diameter round, overall length of 6'-0" (3'-0" above grade) with #5 rebar vertical and #4 rebar horizontal each 12" O.C. Concrete shall be 3000 PSI.

2.) (Change) - Delete Keyed Note #1 and replace with the following: "Provide and install 4"C (PVC) concrete encased per PNM Drawing #DS-7-15.1.

3.) (Change) - Change branch circuit A-81 from 50A/3P to 50A/2P.

Sheet E-2

1.) (Add) - Add two (2) 30A/4P electrically held lighting contactors for control of exterior lights. Install in NEMA 1 enclosure adjacent to Panel "A". Lighting contactors shall be controlled by a roof mounted photocell.

2.) (Change) - Change eight (8) Type "L" fixtures at south exterior soffit of building to Type "AA" fixtures.

3.) (Change) - Change single pole toggle switches in Mens and Womens Restrooms to "double pole-double throw" switches and extend exhaust fan control conductors thru one pole of switch and lighting control conductors thru the other pole of the switch (Typical of four (4) locations).

4.) (Clarify) - The following clarifications are made to the Fixture Schedule:

a.) Types "B", "H", and "P" fixtures are 2x2 troffers with "BIAX" lamps **(NOT 2X4 FIXTURES WITH U-LAMPS OR T12 LAMPS)**. Type "B" (2x2 parabolic grid) fixture has 3/F40BX lamps, Type "H" (2x2 parabolic grid) fixture has 4/F40BX lamps, and Type "P" (2x2 acrylic lens flange) fixture has 3/F40BX lamps.

b.) Type "K" fixture shall be provided with a remote ballast. The remote ballast shall be installed above the lay-in ceiling closest to the fixture.

c.) Type "U" fixtures overall length in the Childrens Stack Area is 40 feet, and Type "U" fixtures overall length in the Program Area is 20 feet. Provide 5/F40/RS/WM lamps per each 4' length of fixture. Each 4' Type "U" fixture has 3/F40 lamps up and 2/F40 lamps down.

SOUTH VALLEY LIBRARY
APRIL 4 1989
ADE3-3

d.) Type "W" fixture shall be suspended with "Aircraft Hanger cable" #3598 and shall be provided with a continuous white louver #3805-24.

e.) Type "BB" fixture shall be furnished with "round baffles" instead of a round prismatic lens.

Sheet E-3

1.) (Add) - Provide connection to truck dock sump pump and controls (see Sheet C-2 for exact location). Extend 3/4"C., with 3 #12 THHN to a spare 20A/1P breaker in Panel "A". Install a weatherproof thermal overload switch near pump and make connections as required.

2.) (Add) - Provide 120V connection to "Hot Water Circulating Pump" HWCP-1 in the Janitors room. Provide a thermal overload switch on wall adjacent to the pump and label respectively. Connect to closest 120V circuit.

3.) (Change) - Exhaust Fan EF-5 shall be controlled from a thermostat in the Electrical Room, instead of from a wall switch as shown. Refer to Mechanical Plans.

4.) (Clarify) - Provide and install a clock in the Lounge. Provide 12" round dial 120V clock with black numerals and white background.

5.) (Clarify) - All computer conduits shall be extended to the Telephone Room and terminated on the wall opposite the telephone backboard. Label termination points and Room designations on all empty conduits.

6.) Extend an empty 2"C with pull wire from the kiosk in the Childrens Back Area to the Information Desk. See keyed note #24.

7.) Branch circuiting for the range shall be 3#6 + 1#10 Gr in 1"C.

8.) All Control wiring for mechanical equipment shall be provided and installed by the electrical contractor (including room thermostats and HVAC roof-top unit smoke detectors). Coordinate with the Mechanical Contractor and comply as necessary. Refer to Mechanical Plans - Sheet M1 "General Control Notes".

SOUTH VALLEY LIBRARY
APRIL 4 1989
AD53-4

The following Light Fixture Manufacturers are "Approved Equals" to the specified light fixtures:

TYPE "A" -	Brownlee, Failsafe, Vista, Daybrite, KLP
TYPE "B" -	Metalux, Lithonia, Daybrite, Columbia, KLP
TYPE "C" -	Metalux, Lihonia, Benjamin, Daybite, KLP
TYPE "D" -	Lithonia, Capri, Marco, Prescolite, LOL
TYPE "E" -	Metalux, Lithonia, Benjamin, Daybrite, Williams, KLP
TYPE "F" -	Brownlee, Lithonia, Capri, LOL
TYPE "G" -	Metalux, Lithonia, Benjamin, Daybrite, KLP
TYPE "H" -	Metalux, Lithonia, Daybrite, Columbia, KLP
TYPE "K" -	Indalux, NL
TYPE "L" -	Halo, Lithonia, Marco, Prescolite, LOL
TYPE "M" -	Metalux, Benjamin, Daybrite, Williams, KLP
TYPE "P" -	Metalux, Lithonia, Daybrite, Williams, KLP
TYPE "R" -	Prescolite
TYPE "S" -	McGraw, EMCO, Sterner, Kim, MWC
TYPE "T" -	McGraw, EMCO, Sterner, Kim, MWC
TYPE "U" -	Peerless
TYPE "W" -	LAM, Peerless, LOL
TYPE "X" -	Indalux, NL
TYPE "Y" -	Bega, Marco, Prescolite, MWC
TYPE "AA"-	Lithonia, Capri, Marco, Indy Lighting, LOL
TYPE "BB"-	Neoray
TYPE "CC"-	Lumark, Hydrel, GE, MWC
TYPE "DD"-	Lithonia, Marco, Prescolite, LOL
TYPE "EE"-	Metalux, Benjamin, Daybrite, Williams, KLP
TYPE "FF"-	Metalux, Daybrite, Williams, KLP
TYPE "GG"-	Marco, Prescolite
TYPE "HH"-	Greenlee, Hydrel, Hubbell, Imperial Bronzelite
EXIT "X1"-	Yorklite, Dual-Lite, Emergilite, Chloride, Lightalarms
EXIT "X2"-	Surelite, Dual-Lite, Emergilite, Chloride, Lightalarms
TYPE "EM"-	Surelite, Dual-Lite, Emergilite, Chloride Lightalarms

END OF ELECTRICAL ADDENDUM

SOUTH VALLEY LIBRARY
APRIL 4 1989
ADE 3-5

Vinyard & Associates, Inc.

4415-D Hawkins, NE
Albuquerque, New Mexico 87109
(505) 345-1937

Geotechnical Engineering • Materials Testing • Environmental Engineering

August 15, 1990

RECEIVED
SEP 10 1990
HYDROLOGY DIVISION

Bradley Construction, Inc.
8300 Washington, NE
Albuquerque, New Mexico 87113

Attention: Mr. David Espinosa

Subject: South Valley Library - Percolation Test - Vinyard & Associates' Project No.: 89-2-128

Gentlemen:

As requested, we have performed a percolation test in the ponding area to the north of the library. At the time our test was performed a large ponding area had been constructed. The pond was lined with a layer of cobbles overlying non-woven filter fabric overlying gravel. The portion of the pond tested encountered clean natural sands below the gravel.

The percolation test was performed by drilling a six inch diameter hole to a depth of five feet. The soils encountered consisted of moist to very moist fine-grained sand. A sieve analysis test was performed on a representative soil sample. Test results are presented on Table 1.

To prevent caving of the sands the boring was cased with perforated pipe. The pipe was filled with water and the surrounding soils were allowed to saturate. The percolation test was then performed. Test results are presented below:

Elapsed Time (Seconds)	Depth to Water Surface	Percolation Rate (Minutes/Inch)
0	3' 6"	-
10	3' 10"	.04
20	4' 0"	.08
30	4' 3"	.06
40	4' 5"	.08
50	4' 6"	.17
60	4' 8"	.08
70	4' 9"	.17
80	4' 10"	.17

Refill

Elapsed Time (Seconds)	Depth to Water Surface	Percolation Rate (Minutes/Inch)
0	2' 11"	-
15	3' 5"	.04
20	3' 8"	.03
30	3' 10"	.08
40	4' 0"	.08
50	4' 3"	.06
60	4' 4"	.17
70	4' 6"	.08
80	4' 7"	.17
90	4' 8"	.17

Refill

0	2' 10"	-
10	3' 2"	.04
20	3' 5"	.06
30	3' 8"	.06
40	3' 10"	.08
50	4' 1"	.06
60	4' 3"	.08
70	4' 5"	.08
80	4' 6"	.17
90	4' 7"	.17

Based upon the above test data a design percolation rate of 0.2 minutes/inch appears appropriate.

Should you have any questions regarding this letter or if we may be of further service, please call.

MARTIN D. VINYARD
NEW MEXICO
8261
REGISTERED PROFESSIONAL ENGINEER

Sincerely,
Vinyard & Associates, Inc.

Martin D. Vinyard, P. E.

File: 89-2-128.per

V & A

SUMMARY OF LABORATORY TEST DATA

Test Hole No.	Depth (Feet)	Unified Classification	Natural Dry Density (pcf)	Natural Moisture Content (%)	Atterberg Limits		SIEVE ANALYSIS % PASSING BY WEIGHT										DESCRIPTION
					LL	PI	1½"	3/4"	3/8"	No. 4	No. 8	No. 16	No. 30	No. 50	No. 100	No. 200	
1	0-3	SP										100	99	88	25	3.0	SAND, trace silt

Project No. _____
Table _____

TRANSMITTAL LETTER

BRADLEY CONSTRUCTION, INC.
8300 Washington, NE
Albuquerque, NM 87113
(505) 823-2800

NO. 1

DATE; 8/10/89

To: HYDROLOGY DEPT.
CITY OF ALBUQUERQUE

RECEIVED
AUG 10 1989
HYDROLOGY SECTION

Attn: BERNIE MONTOYA

Ref: South Valley Library
Albuquerque/Bernalillo County
New Mexico
Building Permit # BP-89-543

We are sending you ✓ Attached ___ Under Separate Cover

✓ Shop Drawings	___ Copy of Letter	___ Sepias
___ Catalogue Cuts	___ Change Order	___ Schedule
___ Samples	___ Product Data	___ Specifications
___ Other	___ INVOICE	___ As-Built Drawings

COPIES	DATE	NUMBER	DESCRIPTION

✓ For Approval	___ Approved	___ Revise/Resubmit
___ For Your Use	___ Approved As Noted	___ For Bids Due
___ Per Your Request	___ Partially Rejected	___ Return Plans
___ For Review/Comment	___ Rejected	___ Submit Field Drawings

REMARKS:

Thank You !!

COPY TO: J. Bradley
File

BRADLEY CONSTRUCTION, INC.

David Espinosa
Project Manager

TRANSMITTAL LETTER

de la torre • rainhart p.a.
architects aia
two woodward center 700 lomas ne • suite 200
albuquerque, nm 87102 • 505 842 9500

PROJECT: SOUTH VALLEY LIBRARY

PROJECT NO. 8/10/89

TO: DAVID ESPINOSA
BRADLEY CONSTRUCTION

DATE:

If enclosures are not as noted please inform us immediately.

If checked below, please:

( ) Acknowledge receipt

( ) Return enclosures to us

RECEIVED
AUG 10 1989
HYDROLOGY SECTION

ATTN:

WE TRANSMIT:

(✓) Herewith ( ) Under separate cover via PICKED UP

( ) In accordance with your request

FOR YOUR:

( ) Approval (✓) Distribution ( ) Information

( ) Review and Comment ( ) Record ( ) Use

THE FOLLOWING:

(✓) Drawings ( ) Shop Drawing Submittals ( ) Samples ( ) Information

( ) Specifications ( ) Product Literature ( ) Change Order ( ) Letter

(✓) ADDENDUM

COPIES	DATE	DESCRIPTION
2 SETS	2/89	WORKING DRAWINGS
2	5/4/89	ADDENDUM #3

REMARKS: NOTE THAT ADDENDUM CONTAINS REVISED TABLES PERTAINING TO DRAINAGE. IF THE REVIEWER HAS ANY QUESTIONS, HAVE HIM SPEAK TO DOUG COPELAND OR MARTIN GARCIA AT EASTERLING & ASSOCIATES, 898-8021.

COPY TO:

BY: ISAAC BENTON

DRAINAGE INFORMATION SHEET

PROJECT TITLE: South Valley Library ZONE ATLAS/DRNG. FILE #: P12/D7

LEGAL DESCRIPTION: Tract A Harrison School Bern County NM

CITY ADDRESS: SE Corner Isleta & Calle De Valle

ENGINEERING FIRM: Easterling CONTACT: Douglass Coupland

ADDRESS: 5643 Paradise Blvd NW PHONE:

OWNER: Bernalillo County CONTACT:

ADDRESS: PHONE:

ARCHITECT: De La Torre Reinhart CONTACT: Ike Benton

ADDRESS: PHONE:

SURVEYOR: CONTACT:

ADDRESS: PHONE:

CONTRACTOR: Bradley Construction CONTACT: David Espinosa

ADDRESS: 8300 Washington PHONE: 823 7800

RECEIVED AUG 10 1989 HYDROLOGY SECTION

PRE-DESIGN MEETING:

___ YES

___ NO

___ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ___

EPC NO. ___

PROJ. NO. ___

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT

✓ DRAINAGE PLAN

___ CONCEPTUAL GRADING & DRAINAGE PLAN

___ GRADING PLAN

___ EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

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: 8/10/89

BY: [illegible]

RECEIVED AUG 24 1989

BOARD OF COUNTY COMMISSIONERS
HENRY GABALDON, CHAIRMAN
DISTRICT 1
EUGENE M. GILBERT, VICE CHAIRMAN
DISTRICT 3
AL VALDEZ, MEMBER
DISTRICT 2
PATRICIA "PAT" CASSIDY, MEMBER
DISTRICT 4
JACQUELYN SCHAEFER, MEMBER
DISTRICT 5
ALEX ABEYTA, COUNTY MANAGER

County of Bernalillo

State of New Mexico

ONE CIVIC PLAZA N.W.
ALBUQUERQUE, NEW MEXICO 87102

ALVIN J. CAMPBELL, SHERIFF
PATRICK J. PADILLA, TREASURER
GLADYS M. DAVIS, CLERK
SAM L. PEREA, ASSESSOR
THOMAS J. MESCALL, PROBATE JUDGE

August 21, 1989

Douglas Copeland, P.E.
Easterling & Associates, Inc.
5643 Paradise Boulevard, NW
Albuquerque, New Mexico 87114

RE: DRAINAGE PLAN FOR SOUTH VALLEY LIBRARY
(P-12/D7) RECEIVED AUGUST 10, 1989

Dear Mr. Copeland:

Based on the information provided on your submittal of August 10, 1989, listed are certain items of concern that must be addressed prior to approval.

1. Location of North Arrow and Engineering Scale used.

2. Without knowing what the scale for the drawing is, I am unable to determine if Pond D is within 10' of the pavement or back of sidewalk.

3. You need to show how you determined the volume provided for each pond. If you are proposing to completely fill them with gravel, have you taken the 1/3 void ratio into consideration?

4. According to the spot elevations provided, it seems like you will be accepting public waters from the street to the North. If this is the case, then easements must be provided or a water block designed.

5. Please indicate on the plan drawing the 100 year floodplain encroachment into the proposed site.

6. Please address any off-site flows that may be entering the site.

7. If the right-of-way of Isleta will change with the widening proposed in the future, you will need to take these into consideration in relocating your ponding area "D".

8. Note on plan drawing that Engineer's Certification per D.P.M. checklist will be required prior to Certificate Of Occupancy release.

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

BOARD OF COUNTY COMMISSIONERS
HENRY GABALDON, CHAIRMAN
DISTRICT 1
EUGENE M. GILBERT, VICE CHAIRMAN
DISTRICT 3
AL VALDEZ, MEMBER
DISTRICT 2
PATRICIA "PAT" CASSIDY, MEMBER
DISTRICT 4
JACQUELYN SCHAEFER, MEMBER
DISTRICT 5
ALEX ABEYTA, COUNTY MANAGER

County of Bernalillo

State of New Mexico

ONE CIVIC PLAZA N.W.
ALBUQUERQUE, NEW MEXICO 87102

ALVIN J. CAMPBELL, SHERIFF
PATRICK J. PADILLA, TREASURER
GLADYS M. DAVIS, CLERK
SAM L. PEREA, ASSESSOR
THOMAS J. MESCALL, PROBATE JUDGE

August 21, 1989

Douglas Copeland, P.E.
Easterling & Associates, Inc.
5643 Paradise Boulevard, NW
Albuquerque, New Mexico 87114

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(P-12/D7) RECEIVED AUGUST 10, 1989

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Cordially,

Bernie J. Montoya

Bernie J. Montoya, C.E.
Engineering Assistant

EASTERLING & ASSOCIATES, INC.
5643 Paradise Blvd., NW
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021

Memo LETTER

2521.1

To BERNIE ("THE BURN") MONTOYA

Date 8/25/89

Subject SOUTH VALLEY LIBRARY

RECEIVED
AUG 31 1989
HYDROLOGY SECTION

DEAR BERNIE -

I AM RETURNING YOUR AUG. 21, 1989 LETTER. I AM ALSO INCLUDING THE REVISED GID PLAN. YOU MUST HAVE BEEN REVIEWING AN OUT OF DATE PLAN. THE ARCH. EVIDENTLY ISSUED OUR PRELIMINARY PLAN FOR CONSTRUCTION THEN ISSUE THE CHANGES PER ⊿ BY 8½"x11" ADDENDUM AFTER WE INCORPORATED COMMENTS FROM COUNTY.

YOU MAY WISH TO REREVIEW THE ATTACHED PLAN. I HAVE ALSO INCLUDED A COPY OF MARTINS POND VOLUME COMPUTATIONS FOR YOUR USE. —

WHEN I SPOKE TO CARLOS WE AGREED THAT THE FLOOD ~~PLANE~~ PLAIN WILL NOT BE ADVERSELY AFFECTED BY THIS PROJECT. THE EXISTING TOPO SHOWS THE 23' CONTOUR BARELY ENTERING THE SITE. —

☐ Please reply ☐ No reply necessary

SIGNED DOUGLAS GORE

FORM 180-2 Available from NEBS Inc., Groton, Mass. 01471. To order PHONE TOLL FREE 1 + 800-225-6380

EASTERLING & ASSOCIATES, INC.
5643 Paradise Blvd. NW
ALBUQUERQUE, NEW MEXICO 87114

(505) 898-8021

LETTER OF TRANSMITTAL

DATE 8/31/89	JOB NO. 2521
ATTENTION BERNIE MONTOYA	
RE: SOUTH VALLEY LIBRARY	

TO COA Hydrology

RECEIVED AUG 31 1989 HYDROLOGY SECTION

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
2			GRADING + DRAINAGE PRINTS
1			DRAINAGE INFORMATION SHEETS

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

PICK UP MATERIAL DELIVERED FRIDAY 8/25/89 TO COUNTY Hydrology BOB FOGLESONG + DELIVER TO BERNIE MONTOYA @ CITY Hydrology

COPY TO Barbara Juarez 8/31/89

SIGNED: Douglas W. Copeland
by DMC

If enclosures are not as noted, kindly notify us at once.

PRODUCT 2452 NEBS Inc., Groton, Mass. 01471

DRAINAGE INFORMATION SHEET

Deliver

ZONE ATLAS/DRAINAGE FILE NO. P-12/D7

PROJECT TITLE: SOUTH VALLEY LIBRARY - BERNALILLO COUNTY

LEGAL DESCRIPTION: TRACT A HARRISON SCHOOL, BERNALILLO COUNTY

CITY ADDRESS: N/A

ENGINEERING FIRM: Easterling & Assoc. Inc. CONTACT: DOUGLAS W. COPELAND

ADDRESS: 5643 Paradise Blvd. N.W. PHONE: 898-8021

OWNER: BERNALILLO COUNTY CONTACT: BOB FOGGLESONG

ADDRESS: PHONE:

ARCHITECT: DE LA TORRE RAINHART CONTACT: JORGE

ADDRESS: PHONE: ~~848~~ 842-9500

SURVEYOR: FRANK MARQUEZ CONTACT: FRANK

ADDRESS: PHONE: 842-6579

CONTRACTOR: ?? CONTACT:

ADDRESS: PHONE:

RECEIVED AUG 31 1989 HYDROLOGY SECTION

THIS PROJECT IS IN THE COUNTY -

PRE-DESIGN MEETING:

___ YES

X NO

___ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. ___

EPC NO. ___

PROJECT NO. ___

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT

___ DRAINAGE PLAN

___ CONCEPTUAL GRADING & DRAINAGE PLAN

___ GRADING PLAN

X GRADING & DRAINAGE PLAN

___ EROSION CONTROL PLAN

___ 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

X OTHER YOUR INFO (SPECIFY)
FLOOD PLAIN ADMINISTRATOR.

DATE SUBMITTED: 8/25/89 BY: DOUGLAS W. COPELAND

FILE 2521.2

Easterling & Assocuates, Inc.

5643 Paradise Boulevard, NW
Albuquerque, New Mexico 87114
(505) 898-8021

RECEIVED
AUG 31 1989
TECHNOLOGY SECTION

Project Name SOUTH VALLEY TRACT
Project No. 2521.1 Date 5/2/89
Subject RETENTION POND COMPUTATIONS
By MARTIN J. GARCIA Sheet 1 of 3

GIVEN: WE ARE REQUIRED TO DO ON SITE RETENTION OF THE 100 YR 24 HR STORM EVENT.

VOLUME 100 YR = 16217 CU FT.

USE 90% THE GRADING SCHEME WILL ALLOW FOR CONTROL FROM 1C ANOTHER WITHIN THE SITE.

@ VOLUME OF VOIDS IN FRACH DRAIN ARE 35% OF TOTAL VOLUME IN FRACH DRAIN.

AREA BASIN A = (94.19)(900) = 84,771 ft² = 1.95 AC.
AREA BASIN B = (32.35)(900) = 29079.00 ft² = 0.67 AC
AREA BASIN C = (34.00)(900) = 30600.00 ft² = 0.88 AC

TOTAL AREA = 3.50 AC

BASIN A = 1.95/3.50 = 56% OF TOTAL
BASIN B = .67/3.50 = 19% OF TOTAL
BASIN C = .88/3.50 = 25% OF TOTAL

ROUTE RETENTION VOLUME REQUIRED

BASIN A = .56 (16127) = 9056.32 CU FT
BASIN B = .19 (16127) = 3072.68 CU FT
BASIN C = .25 (16127) = 4043.00 CU FT

100 YR VOLUME PROVIDED

BASIN A

POND A = 5.45 (900) = 4905 ft² x 3' DEEP = 14715 ft³ x .35 (VOID) = 5150.25 CU FT
BASIN A (OVERLAND) = 9.00 (900) = 8100 ft² x .6' DEEP = 4860.00 CU FT

TOTAL V PROVIDED = 10010.25 CU FT
V REQ'D = 9056.32 CU FT ✓

Easterling & Associates, Inc.
5643 Paradise Boulevard, NW
Albuquerque, New Mexico 87114
(505) 898-8021

Project Name SOUTH VALLEY LIBRARY
Project No. 25211 Date 5/2/89
Subject RETENTION POND COMPUTATIONS
By MARTIN J. GARCIA Sheet 2 of 3

100YR VOLUME PROVIDED (CONT.)

BASIN B

POND D 4 x (18x20) = 1440 ft²
2 x (20x60) = 800 ft²
1 x (25x15) = 375 ft²
3615 ft² (3' DEEP = 7843 ft² x .35(VOID) = 2743.25 CU FT.

BASIN B6(YARD) = 12,30(900) = 11070 ft² x .1' DEEP = 1107.00 CU FT

TOTAL V PROVIDED = 3850.25 CU FT
V REQUIRED = 3076.00 CU FT ✓

BASIN C

POND B = 176(900) = 1584 ft² x 3' DEEP = 4752 ft² x .35(VOID) = 1663.20 CU FT
POND C = 137(900) = 1233 ft² x 3' DEEP = 3699 ft² x .35(VOID) = 1294.65 CU FT

TOTAL V PROVIDED = 2957.85 CU FT
V REQUIRED = 4043.00 CU FT
⇒ COND BY = 1085.15 CU FT.

NOTE: THE ADDITIONAL 1085.15 WILL OVERFLOW TO THE POND A IN WHICH BASIN A HAS ENOUGH CAPACITY AT .6 DEPTH (2 22:60) TO HOLD THE ADDITIONAL 1085.15 CU FT

10YR VOLUME REQUIRED

A COMPARISON BETWEEN POND VOLUME PROVIDED AND 10YR 10D VOLUME REQUIRED WAS MADE AND IT APPEARS THE 10YR VOLUME WILL BE RETAINED WITHIN THE GENERAL AREAS

Easterling & Associates, Inc.

5643 Paradise Boulevard, NW
Albuquerque, New Mexico 87114
(505) 898-8021

Project Name: SOUTH VALLEY LIBRARY
Project No. 75211 Date 5/2/99
Subject POND VOLUME CHANGES
By KRISTIN J. GIRARD Sheet 3 of 3

POND VOLUME TABLE CHANGED FROM

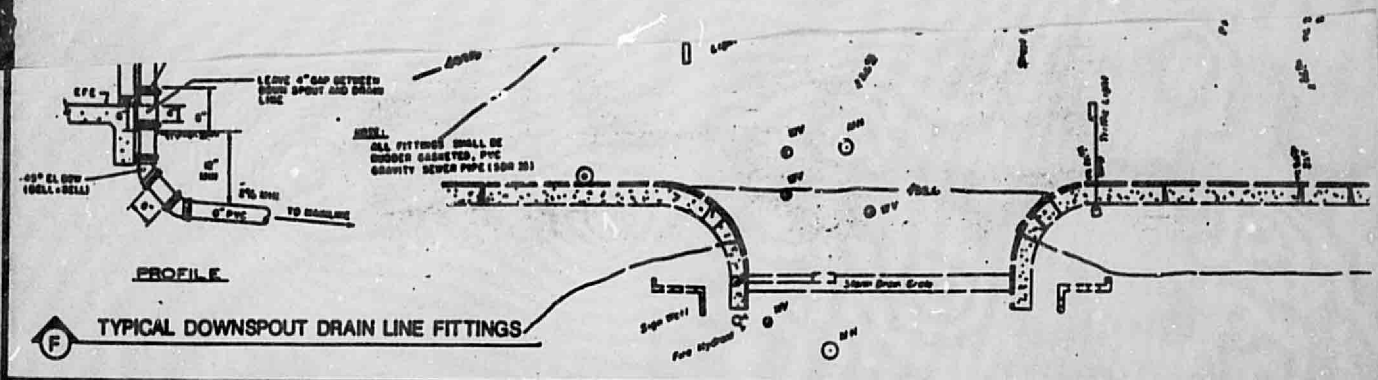
POND	V REQ'D	V PROVIDED
A	7594 CU FT	7660 CU FT
B	1212 CU FT	1644 CU FT
C	1216 CU FT	1216 CU FT
D	2423 CU FT	2040 CU FT.

TO

BASIN	V REQ'D	POND	V PROVIDED	BASIN	V PROVIDED
A	9056 CU FT	A	35150	A	4860
B	3073 CU FT	D	2746	B	1107
C	4043 CU FT	B	1643	C	*
		C	1107		

* THE ADDITIONAL 1086 CUFT REQ'D IS PROVIDED IN BASIN "A" - WATER WILL OVERFLOW FROM BASIN "C" TO BASIN "A".

NOTE: VOLUMES SHOWN ARE FOR THE 100 YR 24HR EVENT.



F TYPICAL DOWNSPOUT DRAIN LINE FITTINGS

HYDROLOGY

HYDROLOGY SUMMARY SHEET FOR GRADING & DRAINAGE REPORT
PROJECT: SOUTH VALLEY LIBRARY
BY: MARTIN J. GARCIA DATE: DEC. 22, 1988

A.P. #	DESCRIPTION	AREA (ac.)	WD. (ft)	LGTH. (ft)	SLOPE (ft/ft)	Tc (min)	SOIL	CN	C	RUNOFF PARAMETERS FOR 2 YEAR EVENT P	I	V	Q	RUNOFF PARAMETERS FOR 10 YEAR EVENT P	I	V	Q	RUNOFF PARAMETERS FOR 100 YEAR EVENT P	I	V	Q
1.0	DEVELOPED	3.01	3	380	0.011	<10	B	87.0	0.60	1.20	2.54	3714	4.0	1.77	3.75	8338	6.8	2.70	5.71	16172	10.3
2.0	UNDEVELOPED	3.00	3	330	0.009	<10	B	75.0	0.40	1.20	2.54	805	3.0	1.77	3.75	3391	4.5	2.70	5.71	8390	6.8

P = 24 Hr. RAINFALL DEPTH (inches)
I = RAINFALL INTENSITY (inches) FOR 24 Hr EVENT, (Ref. NOAA ATLAS 2)
V = VOLUME OF RUNOFF (cubic feet)
Q = PEAK RATE OF RUNOFF (cubic feet per second)

DRAINAGE PLAN

EXISTING CONDITIONS

THE THREE ACRE SITE IS LOCATED ON THE SOUTHEAST CORNER OF THE INTERSECTION OF ISLETA BLVD. AND CAMINO DEL VALLE. APPROXIMATELY 2,450 SQUARE FEET ON THE SOUTHEAST CORNER OF THE SITE IS WITHIN THE 100 YEAR FLOOD PLAIN. THE PROPERTY IS CURRENTLY UNDEVELOPED. RUNOFF ON THE SITE FLOWS SOUTHEAST ACROSS THE PROPERTY INTO THE FLOOD PLAIN WHOSE LOW POINT IS IN THE ADJACENT PROPERTY.

PROPOSED DEVELOPMENT

THE PROJECT SITE WILL BE DEVELOPED AS A PUBLIC LIBRARY. THE SITE WILL BE GRADED TO DRAIN INTO A SERIES OF ON-SITE FRENCH DRAINS/PONDS, WHICH WILL INSURE 100% RETENTION OF THE DEVELOPED RUNOFF FOR THE 100 YEAR STORM.

BENCH MARK INFORMATION

"4012" A "□" CUT ON THE TOP OF THE NORTH NORTHWEST CURB RETURN LOCATED AT THE NORTHWEST QUADRANT OF THE INTERSECTION OF ISLETA BLVD. AND LAKEVIEW ROAD. ELEVATION = 4,823.604.

P12/D7

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

RECEIVED
MAY 9 1990
HYDROLOGY DIVISION

May 7, 1990

CERTIFICATE OF COMPLETION AND ACCEPTANCE

Ms. Vickie Fisher
County of Bernalillo, New Mexico
One Civic Plaza, 10th Floor
Albuquerque, NM 87102

RE: PROJECT NO. 3776, SOUTH VALLEY LIBRARY - FIRE HYDRANT, (MAP NO. P-12)

Dear Ms. Fisher:

This is to certify that the City of Albuquerque accepts Project No. 3776 as being completed according to approved plans and construction specifications. The City of Albuquerque will accept for continuous maintenance all public infrastructure improvements constructed as part of Project No. 3776.

The project is described as follows:

- Installed 6X6X6 tee, 6" gate valve, 40' PVC hydrant leg and hyrant for fire protection at South Valley Library.

- The contractor's correction period begins the date of this letter and will be effective for a period of one (1) year.

Sincerely,

Brian L. Speicher, P.E.
Chief Construction Engineer
Design/Construction Division
Engineering Group
Public Works Department

BLS:kt

xc: Easterling & Associates
Ashcraft Plumbing
Fred Aguirre, Engineering Group, PWD
Phil Fischer, Engineering Group, PWD
Greg Olson, Engineering Group, PWD
Terri Martin, Engineering Group, PWD
Jeanette Barrett, Special Assessments
Sam Hall, Operations Group, PWD
A. N. Gaume, Operations Group, PWD
Jim Fink, Operations Group, PWD
Ray Chavez, Engineering Group, PWD
Jon Ertsgaard, Water/Wastewater Group, PWD
Dave Parks, Engineering Group, PWD
Tom Kennerly, Engineering Group, PWD
Josie Gutierrez, New Meter Sales, Finance Group, PWD
Claudia Gallegos, Standby Clerk, Finance Group, PWD
Della Gallegos, Engineering Group, PWD
Richard Zamora, Engineering Group, PWD
Judy Aguilar, Engineering Group, PWD
f/Project 3776
f/Warranty
f/Readers

(INP 138788)

Easterling & Associates, Inc.

5643 Paradise Boulevard, NW
Albuquerque, New Mexico 87114
(505) 898-8021

BERNIE MONTOYO

September 6, 1990

RECEIVED
SEP 10 1990
HYDROLOGY DIVISION

Mr. Bob Foglesong
Drainage Engineer
Public Works Department
Bernalillo County
2400 Broadway, SE
Albuquerque, NM 87102

RE: SOUTH VALLEY LIBRARY -- ENGINEERING CERTIFICATION

Dear Mr. Foglesong:

This letter and the enclosed drawings shall serve as my engineering certification that the site grading was performed in substantial compliance with the approved detailed grading and drainage plan as revised through May 3, 1989. There were certain hydrology matters which had to be re-evaluated in order to provide the required engineering certification. My engineering evaluation of the hydrology issues are summarized below.

FLOODPLAIN DELINEATION

It should be noted that the 100-year floodplain appears to encroach on the project site. Upon close inspection, it was determined that the maximum 100-year high water elevation will reach elevation 4,923.00. The existing topographic survey for the project shows that over 95% of the project site is above the 4,923.00 contour. This fact was discussed in a December 1988 pre-design conference with Carlos Montoya. It was agreed that no compensatory ponding would be required. We further agreed that total retention and on-site ponds must be utilized, and the building finished floor must be at elevation 4,924.00 or higher.

COMPLIANCE CHECK

George Marquez, of Marquez Surveying, performed an as-built survey of the project on July 25, 1990. Charles M. Easterling and David L. Smith, of Easterling & Associates, Inc., made a cursory inspection of the project on July 31, 1990, and found numerous items of non-compliance. Dave Smith and R.P. Bohannan, of Easterling & Associates, Inc., returned to the site and performed a detailed site inspection on August 9, 1990. The as-built survey and detailed inspection revealed the following items of non-compliance:

1. Drainage divide at the southeast corner of the building between Pond A and Pond B was approximately 1.8 feet too high.

2. Down spout connection to six-inch PVC drain was not installed per Detail F.

3. The sidewalk culvert draining the courtyard at the northwest corner of the building was not constructed.

4. Bird baths were observed on pavement in front of the sidewalk culverts and in fronts of the dumpster pad.

5. The cobble lined swale between the driveway and Pond A had high spots which prohibited drainage.

6. Pond A - Surface area of french drain is approximately 70% of the area shown on the plan.

7. Pond A - Pond volume is approximately 42% of volume required on the plan. This is due to two factors. First, the french drain portion of the pond is smaller in area than originally designed. Second, the cobble stone for the french drain was placed to an elevation 1.3 feet higher than the designed low point shown on the plan.

COMPLIANCE CORRECTIONS

The contractor returned to the site to correct non-compliance items no. 1, 2, 3, 4, and 5. It was agreed that the contractor would obtain certified percolation test in order to allow the deficiencies associated with Pond A (non-compliance items no. 6 and 7) to be re-evaluated in light of high rate of infiltration of runoff into sub-surface sand layer. Vinyard & Associates, Inc., performed the percolation tests on or about August 10, 1990. The results of the percolation tests are enclosed for your review.

RE-EVALUATION OF POND A

The hydraulic performance of Pond A was re-evaluated in light of non-compliance items no. 6 and 7 and the percolation test results provided by Vinyard & Associates, Inc. My analysis and calculations are summarized below.

1. <u>Summary of Project Hydrology</u>
   Area of Site = 3.01 Acres
   Q_{100} = 10.3 CFS for site = 3.42 CFS/Acre
   V_{100} = 16,172 CF for site = 5,373 CF/Acre

2. Basin A Hydrology
   Area = 56% of total site = 1.69 Acres
   Basin A Q_{100} = 3.42 CFS/Acre * 1.69 Acres = 5.76 CFS
   Basin A V_{100} = 5,373 CF/Acre * 1.69 Acres = 9,080 CF

3. Pond A As-Built Conditions
   French Drain Surface Area = 32 x 85 = 2,720 SF
   French Drain Void Space = (0.3)(3')(2,720 SF) = 2,448 CF
   Volume of Pond Above French Drain = (0.5)(32')(85') = 1,360 CF
   Total Pond Volume = 2,448 CF + 1,360 CF = 3,808 CF

   Pond A as-built condition provides 42% of required pond volume as identified in item no. 2 above. The effects of infiltration and percolation rate into sub-surface sand layer will be used to determine adequacy of Pond A in its as-built condition.

4. Infiltration Analysis
   Per Vinyard & Associates, Inc., percolation test results dated August 15, 1990, a design percolation rate of 0.2 minutes/inch appears to be appropriate. This equates to:
   0.2 min./in. = 5 in./min. = 300 in./hr. = 25 ft./hr. = 0.0069 ft./sec.

   Assuming a 1 SF area of infiltration, the sand layer would accept water at a rate of 0.0069 $ft.^3$/sec. (0.055 GPM) per square foot of surface area. Based upon as-built french drain surface area of 2,720 SF, the french drain will allow water to infiltrate at a rate of 18.8 CFS (151.5 GPM) under best case conditions. However, it is felt that the filter fabric and upper layer of rock will eventually become clogged to a significant degree and affect the rate at which water will enter the french drain. Using a 70% clogging factor, it can be demonstrated that runoff from Basin A will be easily accommodated by the french drain in Pond A and allowed to infiltrate into the subsurface sands at a rate greater than or equal to the Q_{100} runoff rate.

   Net infiltration using 70% clogging factor =
   (1.0-0.7)(2,720 SF)(0.0069 Ft./Sec.) = 5.63 CFS

   Q_{100} for Basin A = 5.76 CFS $\simeq$ infiltration rate

SUMMARY

With the exception of non-compliance items no. 6 and 7, all non-compliance items were corrected and reinspected on September 6, 1990. Percolation testing and additional analysis demonstrate that the as-built condition of Pond A will provide for an adequate drainage solution for Basin A and therefore eliminate concerns about non-compliance item nos. 6 and 7.

Therefore, I, Douglas W. Copeland, a New Mexico registered professional engineer, certify that the as-built grading and drainage improvements will function in substantial compliance with the design intent of the approved plan as described and analyzed herein. Two copies of the approved grading and drainage plan with my engineer certification are enclosed for your use.

Please call should you have any questions.

Sincerely,

Douglas W. Copeland, P.E.

DWC/dlhs
Job No. MS90.6

Enclosures

cc: Bernie Montoya,City of Albuquerque/Hydrology, w/enc.
David Espinosa, Bradley Construction, w/enc.

DRAINAGE INFORMATION SHEET

PROJECT TITLE: South Valley Library ZONE ATLAS/DRNG. FILE #: P12/D7

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

LEGAL DESCRIPTION: _____

CITY ADDRESS: 3908 Isleta Blvd S.W.

ENGINEERING FIRM: Easterling & Assoc. CONTACT: Doug Copeland

ADDRESS: 5643 Paradise Blvd PHONE: 898-8021

OWNER: Bernalillo County CONTACT: Terry Sanchez

ADDRESS: 1 Civic Plaza NW PHONE: _____

ARCHITECT: de La Torre Rainhart CONTACT: Isaac Benton

ADDRESS: 700 Comas NE PHONE: 842-9500

SURVEYOR: Marquez Surveying CONTACT: George

ADDRESS: _____ PHONE: _____

CONTRACTOR: Bradley Construction CONTACT: David Espinosa

ADDRESS: 8300 Washington PHONE: 823 2800

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT
___ DRAINAGE PLAN
___ CONCEPTUAL GRADING & DRAINAGE PLAN
___ 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
___ BUILDING PERMIT APPROVAL
✓ CERTIFICATE OF OCCUPANCY APPROVAL
___ GRADING PERMIT APPROVAL
___ PAVING PERMIT APPROVAL
___ S.A.D. DRAINAGE REPORT
___ DRAINAGE REQUIREMENTS
___ OTHER _____ (SPECIFY)

RECEIVED
SEP 10 1990
HYDROLOGY DIVISION

DATE SUBMITTED: 9/10/90

BY: David Espinosa

BOARD OF COUNTY COMMISSIONERS
HENRY GABALDON, CHAIRMAN
DISTRICT 1
EUGENE M. GILBERT, VICE CHAIRMAN
DISTRICT 3
AL VALDEZ, MEMBER
DISTRICT 2
PATRICIA "PAT" CASSIDY, MEMBER
DISTRICT 4
JACQUELYN SCHAEFER, MEMBER
DISTRICT 5
ALEX ABEYTA, COUNTY MANAGER

County of Bernalillo

State of New Mexico

ONE CIVIC PLAZA N.W.
ALBUQUERQUE, NEW MEXICO 87102

ALVIN J. CAMPBELL, SHERIFF
PATRICK J. PADILLA, TREASURER
GLADYS M. DAVIS, CLERK
SAM L. PEREA, ASSESSOR
THOMAS J. MESCALL, PROBATE JUDGE

September 13, 1989

Douglas Copeland, P.E.
Easterling & Associates, Inc.
5643 Paradise Boulevard, NW
Albuquerque, New Mexico 87114

RE: REVISED DRAINAGE PLAN FOR SOUTH VALLEY LIBRARY
(P-12/D7) REVISION DATED MAY 3, 1989 (BP89-543)

Dear Mr. Copeland:

Based on the information provided on your resubmittal of August 31, 1989, the referenced drainage plan is approved for Building Permit (Hydrology only).

Also, upon completion and prior to Certificate of Occupancy release, we will need Engineer's Certification per the Certification check list found in the D.P.M.

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

BJM/bsj
(WP+1191)

FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 18, 1990

Douglas W. Copeland
Easterling & Associates, Inc.
5643 Paradise Boulevard, NW
Albuquerque, New Mexico 87114

RE: ENGINEER'S CERTIFICATION FOR SOUTH VALLEY LIBRARY
(P-12/D7) CERTIFICATION STATEMENT DATED SEPTEMBER 6, 1990

Dear Mr. Copeland:

Based on the information provided on your submittal of September 10, 1990, Engineer's Certification for the referenced site is acceptable.

In the event the percolation concept does not provide for Pond A to function satisfactorily, then provisions will need to be implemented to correct the problem.

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

Cordially,

for Fred J. Aguirre, P.E.
Hydrologist

xc: Terry Sanchez, Bernalillo County
Bradley Construction

BJM:FJA/bsj
(WP+1191)

PLAN/PLATS

ON

FILE