



# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 1, 1995

Scott McGee  
Issacson & Arfman PA  
128 Monroe NE  
Albuquerque, NM 87108

RE: WYOMING LIBRARY SITE IMPROVEMENTS (H-19/D11) ENGINEER'S STAMP DATED  
10/21/94

Dear Mr. McGee:

Based upon the revised drainage and grading plan submitted to this office on 1/24/95, the revised project is approved for Grading/Paving Permit.

Please be advised that a copy of the letter of acceptance for work order will be required after completion of the project.

If I can be of further assistance, please feel free to contact me at 768-3622.

Sincerely,

Scott Davis  
PWD, Hydrology Division

c: Andrew Garcia  
File

## DRAINAGE INFORMATION SHEET

PROJECT TITLE: WYOMING LIBRARY SITE IMPROVEMENTS ZONE ATLAS/DRNG. FILE #: H-19/011  
 DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_ WORK ORDER #: 4474.02  
 LEGAL DESCRIPTION: PROSPECT PARK INEZ ADD'N  
 CITY ADDRESS: 8205 APACHE AV NE  
 ENGINEERING FIRM: I & A CONTACT: SCOTT MCGEE  
 ADDRESS: 128 MONROE NE PHONE: 268-8828  
 OWNER: CULTURAL AFFAIRS & REG. SERVICES DEPT CONTACT: WAYNE BOWERS  
 ADDRESS: CITY OF ALBUQUERQUE PHONE: 768-3558  
 ARCHITECT: COPA CONTACT: STEVE KOFRON  
 ADDRESS: 418 CENTRAL SE PHONE: 242-9928  
 SURVEYOR: ALS CONTACT: DIANE ALDRICH  
 ADDRESS: P.O. Box 30701 PHONE: 884-1990  
 CONTRACTOR: UNKNOWN CONTACT: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

*Stamped 10/21/84*

## TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT  
☒ DRAINAGE PLAN  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☒ GRADING PLAN REVISED  
☐ 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)

DATE SUBMITTED:

BY:

1-23-95  
~~10-29-94~~

Scott M McGee

JUL 28 1984

# GENERAL INFORMATION

LEGAL DESCRIPTION: PROSPECT PARK, INEZ ADDITION.

SURVEY: TOPOGRAPHIC SURVEY BY TIM ALDRICH DATED 10/93. NO BOUNDARY SURVEY WAS PERFORMED, INFORMATION SHOWN WAS TAKEN FROM RECORD.

BENCHMARK(S): ACS ALUMINUM CAP "10-H19" LOCATED IN THE TOP OF THE WSW CURB RETURN AT THE INTERSECTION OF WYOMING BLVD & MENAUL BLVD NE. ELEVATION = 5389.70

TEMPORARY BM: A SQUARE CHISELED IN THE TOP OF CURB SHOWN AT THE INTERSECTION OF WISCONSIN AND PROSPECT NE. ELEVATION = 5374.20

FLOOD HAZARD STATEMENT: PANEL 24 OF THE FIRM SERIES INDICATES THE SITE IS NOT WITHIN A DEFINED 100-YR FLOOD HAZARD AREA.

SOILS: THE SCS SOIL SURVEY OF BERNALILLO COUNTY SHOWS SITE SOILS TO BE EMBUDO-TIJERAS GRAVELLY FINE SANDY LOAM, CLASSIFIED IN HYDROLOGIC GROUP "B".

OFFSITE FLOWS: THE SITE COVERS THE ENTIRE BLOCK SHOWN. NO OFFSITE FLOWS ARE ACCEPTED ONTO THE SITE.

# DRAINAGE CALCULATIONS

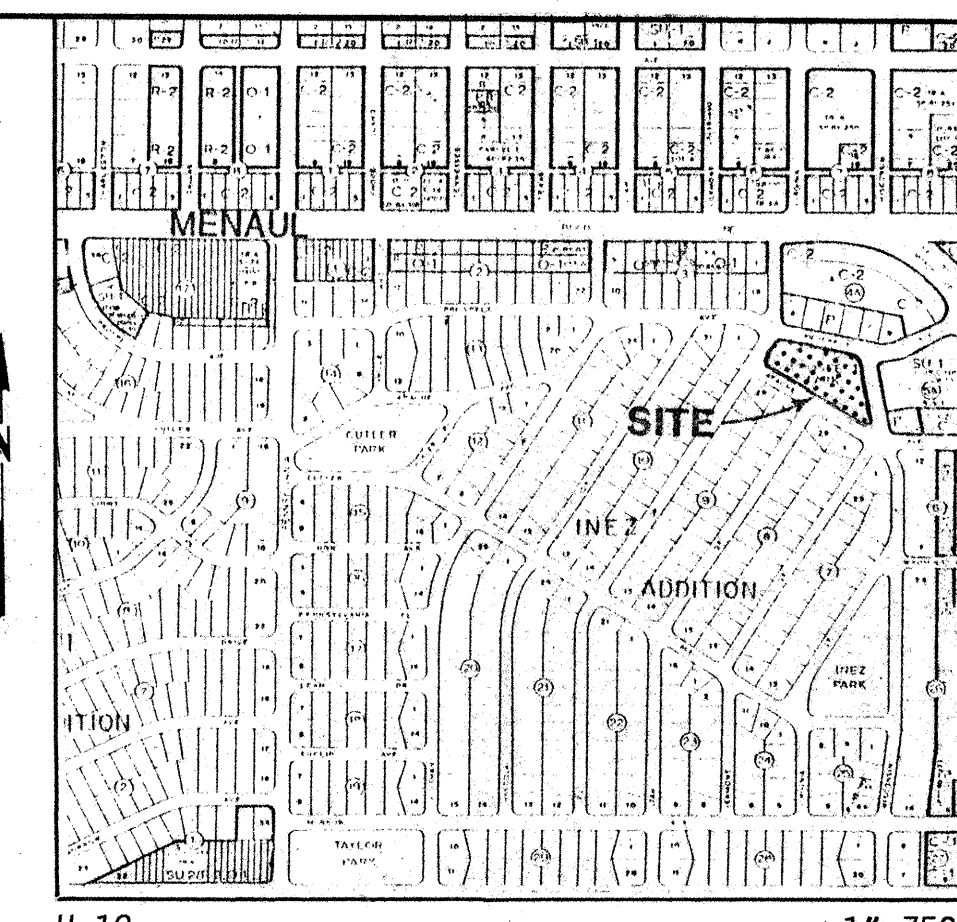
THE EXISTING DEVELOPED CONDITIONS INCLUDE A 15,100 SF PUBLIC LIBRARY, ASSOCIATED PAVED PARKING, AND ROSE GARDENS. RUNOFF EXITS THE SITE VIA EXISTING DRIVEPADS ONTO SURROUNDING PUBLIC STREETS.

AREA = 1.814 AC. PRECIPITATION ZONE: 3  
LAND TREATMENT: 32% B 10% C 58% D  
 $Q_{100} = (0.58)(2.60) + (0.18)(3.45) + (1.05)(5.02) = 7.4$  CFS  
 $V_{100} = (25,290)(.077) + (7,900)(.108) + (45,835)(.197) = 11,830$  CF

PROPOSED SITE CHANGES INCLUDE RELOCATING THE ROSE GARDEN NORTH OF THE BUILDING, ADDING ASPHALT PARKING WEST OF THE BUILDING, AND MODIFYING THE PARKING AREA EAST OF THE BUILDING. DRAINAGE PATTERNS REMAIN UNCHANGED AND A SIDEWALK CULVERT HAS BEEN ADDED ON THE WEST SIDE OF THE SITE.

LAND TREATMENT: 19% B 17% C 64% D  
 $Q_{100} = (0.34)(2.60) + (0.31)(3.45) + (1.16)(5.02) = 7.8$  CFS  
 $V_{100} = (15,020)(.077) + (13,435)(.108) + (50,570)(.197) = 12,570$  CF

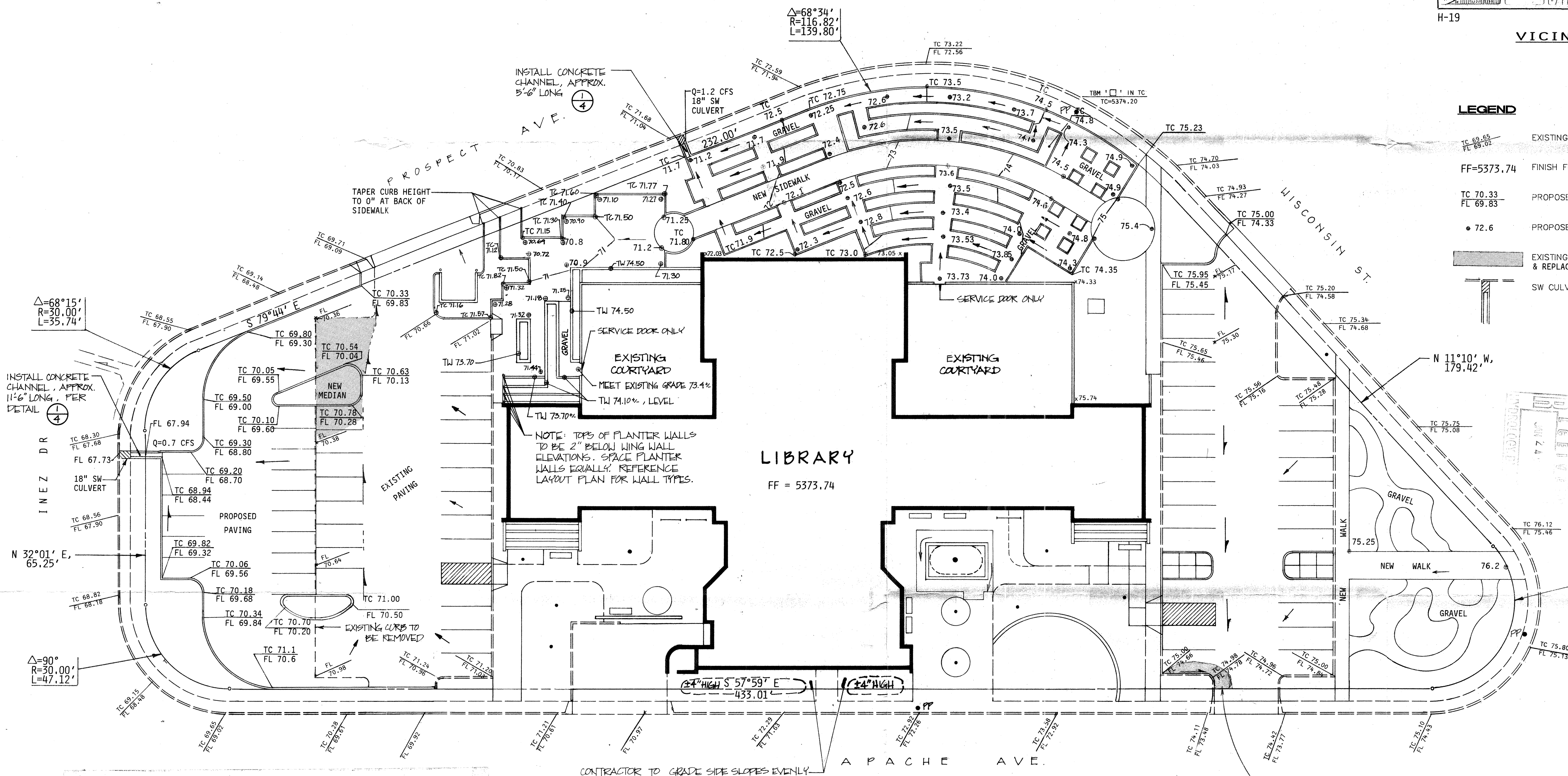
PEAK RUNOFF RATE & VOLUME BOTH INCREASE APPROXIMATELY 6% WITH THE IMPROVEMENTS SHOWN AND SHOULD HAVE MINIMAL IMPACT ON DOWNSTREAM FACILITIES WITH FREE DISCHARGE.



VICINITY MAP

# LEGEND

- EXISTING TOP OF CURB ELEVATION FLOWLINE
- FF=5373.74 FINISH FLOOR ELEVATION
- TC 70.33 PROPOSED ELEVATIONS
- 72.6 PROPOSED SPOT ELEVATION
- EXISTING PAVING TO BE REMOVED & REPLACED
- SW CULVERT PER STD DWG NO. 2236



$\Delta=133^{\circ}11'$   
 $R=30.00'$   
 $L=69.73'$

9-6-94  
10-21-94

SCOTT M. MUELLER  
Professional Engineer  
No. 87102  
State of New Mexico

9-6-94  
10-21-94

CITY OF ALBUQUERQUE  
CULTURAL AFFAIRS AND RECREATIONAL SERVICES DEPARTMENT

TITLE: WYOMING LIBRARY SITE IMPROVEMENTS  
GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN			WATER		
TRANSPORTATION	N/A RUD	1-17-95	WASTE WATER	688	1-17-95
HYDROLOGY	C. Muel	1-18-95	CULT. & REG. SVC.		
PARKS/GEN. SVC.					
PROJECT NO.	4474.36		MAP NO.	H-19-Z	
			SHEET	4	OF 15

# EROSION CONTROL NOTES

- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACCOMPLISHED BY BUILDING TEMPORARY BERMS ALONG THE WEST & NORTH PROPERTY LINES AND WETTING THE SOIL TO PREVENT BLOWING.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT IT IS NOT SUSCEPTIBLE TO WASHING DOWN THE STREET.

Campbell Okuma Perkins Associates, Inc.  
Landscape Architecture and Site Planning  
418 Central S.E.  
Albuquerque, NM 87102  
(505) 242-9928  
(FAX) 242-9930

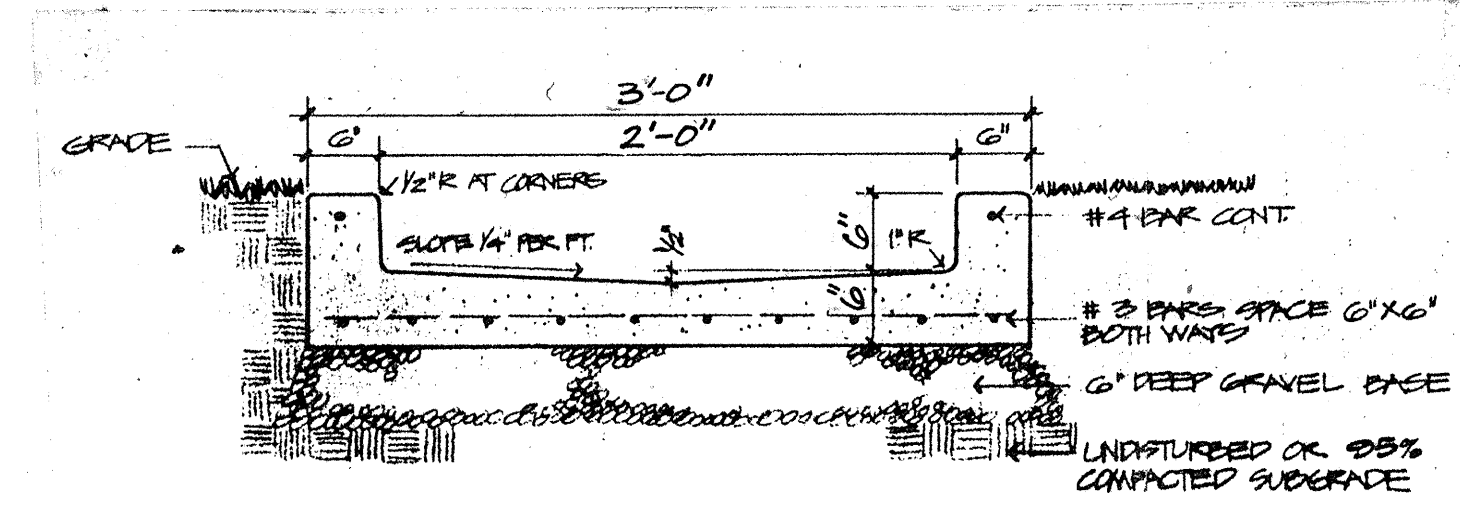
1339 Peachtree No. 8  
Santa Fe, NM 87501  
(505) 962-8399  
(FAX) 968-1388

Isaacson & Artman, P.A.  
CONSULTING ENGINEERING ASSOCIATES  
Albuquerque, New Mexico

NORTH  
SCALE: 1"=20'-0"

1  
4 CONCRETE CHANNEL

SECTION  
NTS



CROSS SECTION