



Martin J. Chávez, Mayor

November 12, 1997

Frank Lovelady  
Lovelady & Associates  
300 Alamosa NW  
Albuquerque, New Mexico 87107

RE: REVISED ENGINEER CERTIFICATION FOR ALBUQUERQUE RESCUE MISSION  
(K-14-D57) CERTIFICATION STATEMENT DATED 10/31/97


Dear Mr. Lovelady:

Based on the information provided on your November 6, 1997 resubmittal, Engineer Certification for the above referenced site is acceptable.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia  
File

Sincerely

  
Bernie J. Montoya CE  
Associate Engineer



ALBUQUERQUE RESCUE

PROJECT TITLE: MISSION ZONE ATLAS/DRNG. FILE #: K-14/D-57  
 DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_  
 LEGAL DESCRIPTION: LOTS 13 THRU 19, LOT 26 BLOCK E ATLANTIC & PACIFIC ADDITION  
 CITY ADDRESS: 525 SOLANA SW.  
 ENGINEERING FIRM: LOVELADY & ASSOCIATES CONTACT: FRANK LOVELADY  
 ADDRESS: 300 ALAMOSA HWY 87107 PHONE: 345-2267  
 OWNER: ALBUQUERQUE RESCUE MISSION CONTACT: JOHN HODGENDORN  
 ADDRESS: 2921 CARLISLE BLVD. NE 87110 PHONE: 450-6424  
 ARCHITECT: JACK M. HARRIS, ARCHITECT CONTACT: JACK HARRIS  
 ADDRESS: 4706 LOMAS BLVD NE 87110 PHONE: 266-6667  
 SURVEYOR: FRANK LOVELADY CONTACT: FRANK LOVELADY  
 ADDRESS: 300 ALAMOSA NW 87107 PHONE: 345-2267  
 CONTRACTOR: JAYNES CORP. CONTACT: JOHN HODGENDOORN  
 ADDRESS: 2906 BROADWAY BLVD 87107 PHONE: 450-6424

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☐ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☒ ENGINEER'S CERTIFICATION  
☐ OTHER \_\_\_\_\_

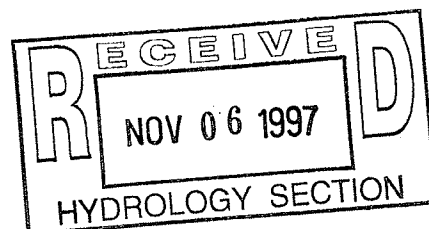
PRE-DESIGN MEETING:

☐ 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  
☐ SUBDIVISION CERTIFICATION  
☐ OTHER \_\_\_\_\_ (SPECIFY)

DATE SUBMITTED: NOVEMBER 6, 1997  
 BY: Frank D. Lovelady





# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

*John  
450-6424*

November 12, 1993

Frank Lovelady  
Lovelady & Associates  
7408 Morrow Ave. NE  
Albuquerque, NM 87110

RE: DRAINAGE PLAN FOR ALBUQUERQUE RESCUE MISSION (K14-D57)  
ENGINEER'S STAMP DATED 8/9/93.

Dear Mr. Lovelady:

Based on the information provided on your November 4, 1993 submittal, the above referenced site is approved for Grading/Paving & Building Permit.

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

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

*Bernie J. Montoya*  
Bernie J. Montoya, CE  
Engineer Associate

BJM/d1/WPHYD/8100

xc: Alan Martinez  
File

PUBLIC WORKS DEPARTMENT

CT TITLE: ALBUQUERQUE RESCUE MISSION ZONE ATLAS/DRNG. FILE #: K14/057

EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

DESCRIPTION: LOTS 13 THROUGH 19; LOT 26; THE SOUTH 38' OF THE NORTH 75' OF LOTS 21 THROUGH 24; THE SOUTH 67' OF LOT 20; THE EAST 9' OF THE NORTH 75' OF LOT 20; THE WEST 16' OF THE NORTH 75' OF LOT 20; ALL IN BLOCK E, ATLANTIC AND PACIFIC ADDITION

ADDRESS: 509 SECOND STREET SW

ENGINEERING FIRM: LOVELADY & ASSOCIATES CONTACT: FRANK LOVELADY

ADDRESS: 7408 MORROW AVE NE PHONE: 883-7973

PROJECT: ALBUQUERQUE RESCUE MISSION CONTACT: JACK HARRIS

ADDRESS: 5101 COPPER NE SUITE 110 PHONE: 266-6667

ARCHITECT: JACK HARRIS, ARCHITECT CONTACT: JACK HARRIS

ADDRESS: 5101 COPPER NE SUITE 110 PHONE: 266-6667

VEYOR: LOVELADY & ASSOC CONTACT: FRANK LOVELADY

ADDRESS: 7408 MORROW NE PHONE: 883-7973

TRACTOR: \_\_\_\_\_ CONTACT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_

TYPE OF SUBMITTAL:

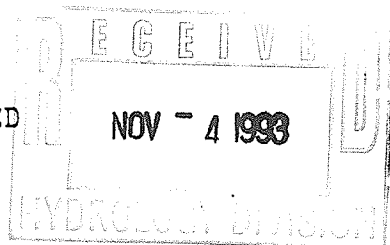
- ☐ DRAINAGE REPORT  
☒ DRAINAGE PLAN  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☐ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION  
☐ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

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☐ PAVING PERMIT APPROVAL  
☐ S.A.D. DRAINAGE REPORT  
☐ DRAINAGE REQUIREMENTS  
☐ OTHER \_\_\_\_\_ (SPECIFY)

RE-DESIGN MEETING:

- ☐ YES  
☒ NO  
☐ COPY PROVIDED



DATE SUBMITTED: Nov 3 1993

BY: Frank D. Lovelady

1 MIN. DIST OF 15' FROM NORTH PROPERTY LINE PER D.P.M., PAGE 105

2 MIN. DIST. OF 15' FROM EAST PROPERTY LINE PER D.P.M., PAGE 105, CHECKLIST ITEM NO. 7 UNDER "GENERAL INFORMATION".

Having performed an on-site inspection of the as-constructed east parking facilities, and having made revisions including as-constructed elevations based on actual survey data provided by me, I hereby certify that the as-constructed facilities are in substantial conformance with the approved grading and drainage plan, Engineer's stamp dated 8/9/93, including the trench drain in front of the door at the SW corner of the building and related manhole, the details of which are shown on Sheet C-4A, a new sheet added specifically to show the details of the trench drain, manhole and other grades in the immediate vicinity of the door and main driveway.

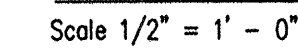
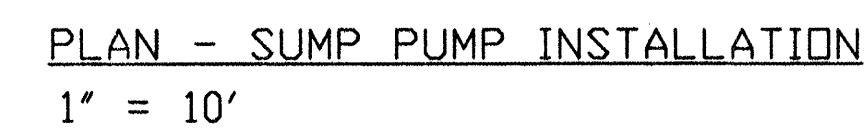
Jack m. harris

i. a. • •

Gallup

• • • • •

• • • • •



# REMODELING & EXPANSION

Alouquerque, New Mexico

609 Second Street, S.W.

Sheet No.

C-4A

RESCUE1.DWG (5/27/97)



# EXISTING CONDITIONS:

The site of the proposed facility is an existing office/warehouse building on the corner of Second Street and Iron Avenue, S.W. The parking north and west of the building is presently unpaved. The alley between Second and Third Streets is not paved but is not presently accessed by the site, and will not be used for access other than possibly pedestrian movement between the two buildings operated by the Rescue Mission. There are inlets at the NE corner of Third and Iron and the NW corner of Second and Iron. There is also an inlet at the intersection of Third and the Alley.

# PROPOSED CONDITIONS:

It is proposed to remodel the existing building but no additions are proposed. The north parking lot will be graded to drain to Second Street. The west parking lot will drain to Third Street. All Faiths Mission parking lot will also be paved although it is not a part of the site.

# CRITERIA:

The calculations shown on this plan were prepared in accordance with Section 22.2, Hydrology, of the Development Process Manual, Volume 2, Design Criteria, for the City of Albuquerque in cooperation with Bernalillo County, New Mexico and the Albuquerque Metropolitan Arroyo Flood Control Authority, Jan. 1993.

# PRECIPITATION ZONE:

The site is between the Rio Grande River and San Mateo Boulevard and is, therefore, in Precipitation Zone 2.

# EXCESS PRECIPITATION AND PEAK DISCHARGE PER ACRE:

Land Treatment	Excess Precipitation (Inches)	Unit Peak Discharge (CFS / Acre)
	100-Yr.	10-Yr.
A	0.53	0.13
B	0.78	0.28
C	1.13	0.52
D	2.12	1.34

# SITE IMPERVIOUSNESS:

Land Treatment	Existing Sq. Ft.	Areas Acres	Developed Sq. Ft.	Areas Acres
A	-	-	-	-
B	-	-	3152	0.072
C	18407	0.423	-	-
D	14393	0.330	29648	0.681
Totals	32800	0.753	32800	0.753

# CALCULATIONS

# PEAK DISCHARGE, 100-YEAR AND 10-YEAR:

Existing Conditions:

$$Q_{100} = 3.14 \times 0.423 + 4.70 \times 0.330 = 2.88 \text{ cfs}$$

$$Q_{10} = 1.71 \times 0.423 + 3.14 \times 0.330 = 1.76 \text{ cfs}$$

Developed Conditions:

$$Q_{100} = 2.28 \times 0.072 + 4.70 \times 0.681 = 3.36 \text{ cfs}$$

$$Q_{10} = 0.95 \times 0.072 + 3.14 \times 0.681 = 2.21 \text{ cfs}$$

# VOLUME, 100-YEAR AND 10-YEAR, 6-HOUR:

Existing Conditions:

$$V_{100} = (1.13 \times 18407 + 2.12 \times 14393)/12 = 4276 \text{ cf}$$

$$V_{10} = (0.52 \times 18407 + 1.34 \times 14393)/12 = 2405 \text{ cf}$$

Developed Conditions:

$$V_{100} = (0.78 \times 3152 + 2.12 \times 29648)/12 = 5443 \text{ cf}$$

$$V_{10} = (0.28 \times 3152 + 1.34 \times 29648)/12 = 3384 \text{ cf}$$

# OFF-SITE FLOW:

The only off-site flow associated with the site is the north side of All Faiths Mission, all treatment D.

$$A = 40 \times 95 = 3800 \text{ sf} = 0.087 \text{ ac.}$$

$$Q_{100} = 4.70 \times 0.087 = 0.41 \text{ cfs}; Q_{10} = 3.14 \times 0.087 = 0.27 \text{ cfs}$$

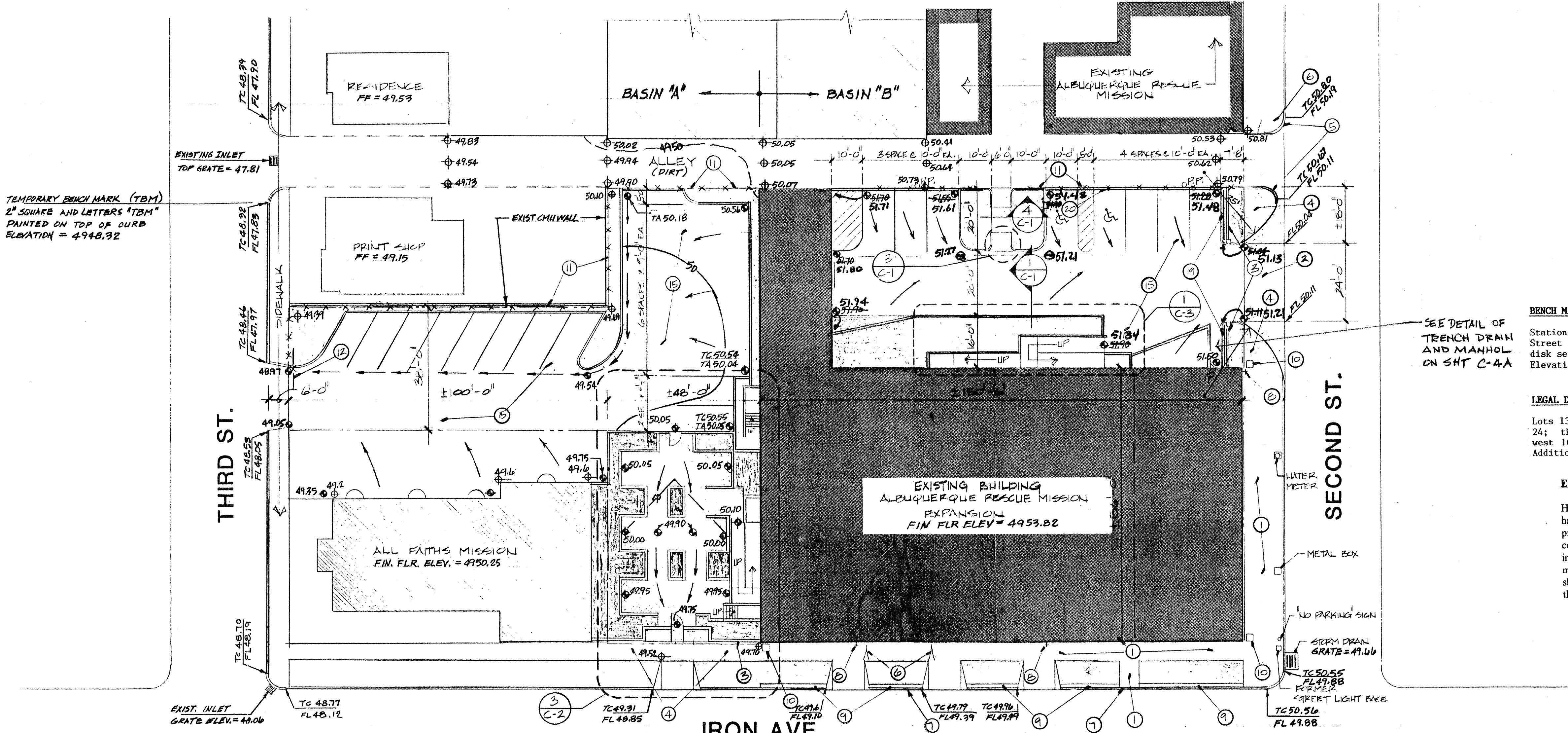
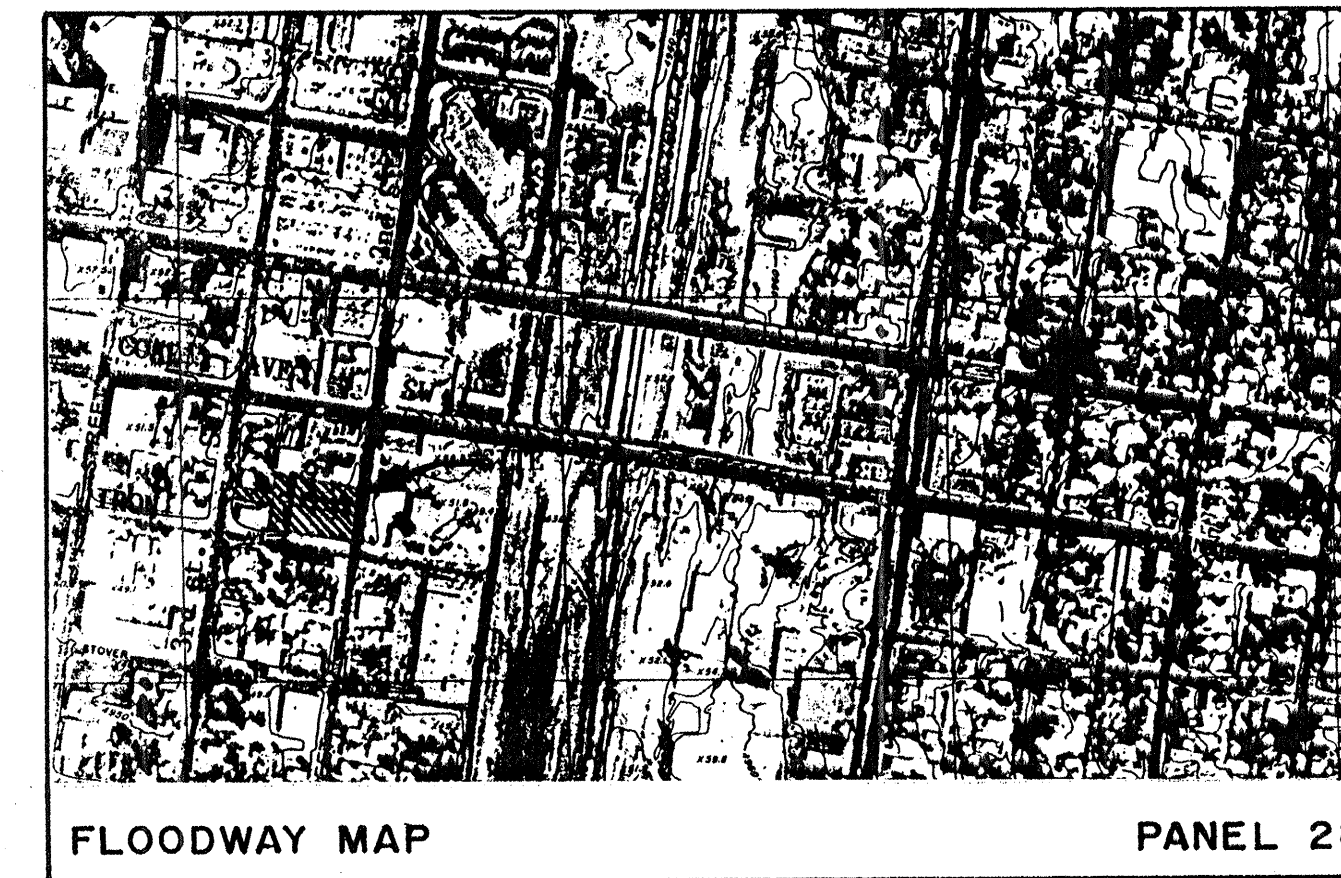
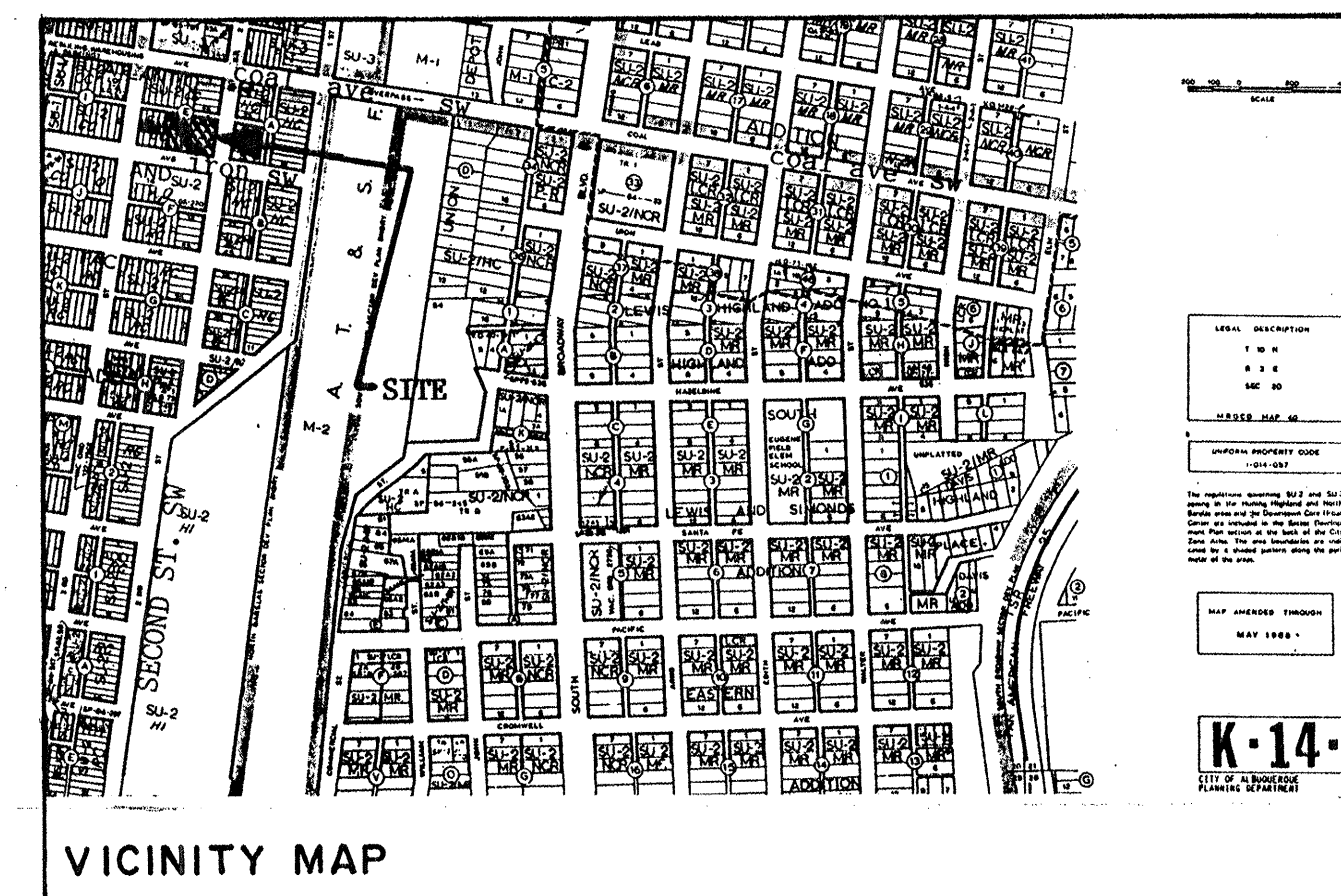
$$V_{100} = (2.12 \times 3800)/12 = 671 \text{ cf}; V_{10} = (1.34 \times 3800)/12 = 424 \text{ cf}$$

# DRAINAGE BASINS:

Basins	Area	Q <sub>100</sub>	Q <sub>10</sub>	V <sub>100</sub>	V <sub>10</sub>
A	9280	0.95	0.63	1540	957
B	23520	2.41	1.58	3903	2427

# LEGEND

EXISTING CONTOUR	--4950--
NEW CONTOUR	50
EXISTING SPOT ELEV	⊕
NEW SPOT ELEV	⊕
SWALE	←→
SHEET FLOW	→
TOP OF CURB	TC
FLOWLINE	FL



## KEYED NOTES

- EXISTING SIDEWALK TO REMAIN.
- REMOVE EXISTING CONC. DRIVE PAV. & INSTALL NEW ONE PER CITY STANDARDS.
- NEW 6'-0" H. CMU WALL w/STUCCO FINISH, SEE DETAIL 4/C-2.
- NEW CONC. SIDEWALK.
- NEW CURB & GUTTER PER CITY STANDARDS, 1/2'-1.
- PATCH EXISTING SIDEWALK.
- PATCH EXISTING CURB & GUTTER.
- EXISTING ROSE BEE.
- REMOVE EXISTING 12" SIDEWALK.
- NEW CONC. TRASH RECEPTACLE.
- EXISTING CHAINLINK FENCE TO REMAIN.
- EXISTING ROLLING CHAINLINK GATE TO REMAIN.
- 4" CONC. WALK w/CONTROL JOINTS @ 5'-0" O.C. & 1/2" EXPANSION JOINTS @ 25'-0" MAX. & RADIUS CORNERS.
- TYP. CONC. CURB & GUTTER w/RADIUS CORNERS, PER CITY STANDARDS.
- 2" ASPHALT PAVING TYP. - SEE DETAIL 3/C-1.
- ASPHALTIC CONC. PAVING SURFACE @ MIN. 1800 POUNDS STABILITY.
- AGGREGATE BASE COURSE COMPACTED @ 95% MAX. DENSITY.
- COMPACTED EARTH.
- (2) 12" WROUGHT IRON ROLLING GATES ON 24" CONC. PAVING STRIP.
- HANDICAPPED PARKING SIGN. SEE 5/C-1.

**BENCH MARK:**  
Station 3-K14, located in the northeast quadrant of the intersection of Third Street and Lead Avenue, N.E. The station is a standard City of Albuquerque disk set in a drilled hole in the sidewalk, marked "3-K14 ACS" Elevation = 4950.564 feet.

**LEGAL DESCRIPTION:**  
Lots 13 through 19; Lot 26; the south 38' of the north 75' of Lots 21 through 24; the south 67' of Lot 20; the east 9' of the north 75' of Lot 20; the west 16' of the north 75' of Lot 20; all in Block E, Atlantic and Pacific Addition to the City of Albuquerque.

**ENGINEER'S CERTIFICATION:**  
Having performed an on-site inspection of the as-constructed east parking facilities, and having made revisions including as-constructed elevations based on actual survey data provided by me, I hereby certify that the as-constructed facilities are in substantial conformance with the approved grading and drainage plan, Engineer's stamp dated 8/9/93, including the trench drain in front of the door at the SW corner of the building and related manhole, the details of which are shown on Sheet C-4A, a new sheet added specifically to show the details of the trench drain, manhole and other grades in the immediate vicinity of the door and main driveway.

*Frank D. Lovelady*  
Frank D. Lovelady, N.M.P.E. 6512

10-31-97  
(Date)

DATE  
6/30/93  
7/6/93  
9/15/93  
11/15/93

SHEET NO.  
**C-4**

STATE OF NEW MEXICO  
JACK M. HARRIS  
No. 1341  
REGISTERED ARCHITECT

FRANK D. LOVELADY  
No. 6512  
REGISTERED PROFESSIONAL ENGINEER

Revised 7/18/97  
Revised 10/31/97

jack m. harris  
ARCHITECT  
a.l.a.  
5101 Copper, NE  
Suite 110  
Albuquerque  
New Mexico 87108  
(505) 266-6667  
103 Clark Street  
Gallup  
New Mexico 87301  
(505) 863-6665

ALBUQUERQUE RESCUE MISSION  
REMODELING & EXPANSION  
509 SECOND ST. SW  
ALBUQUERQUE, NEW MEXICO