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

August 1, 1995

Dennis Lorenz
Brasher & Lorenz, Inc.
4425 Juan Tabo Blvd. NE Suite 202
Albuquerque, NM 87111

RE: REVISED DRAINAGE PLAN FOR ALBUQUERQUE AMBULANCE SERVICE @ 4012 FOURTH STREET NW (G14-D36) ENGINEER'S STAMP DATED 7/27/95.

Dear Mr. Lorenz:

Based on the information provided on your July 28, 1995 resubmittal, the above referenced site is approved for Building 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 City Right-of-Way. A copy of this approval letter must be on hand when applying for the excavation permit.

Prior to Certificate of Occupancy release, Engineer Certificate per the D.P.M. checklist will be required.

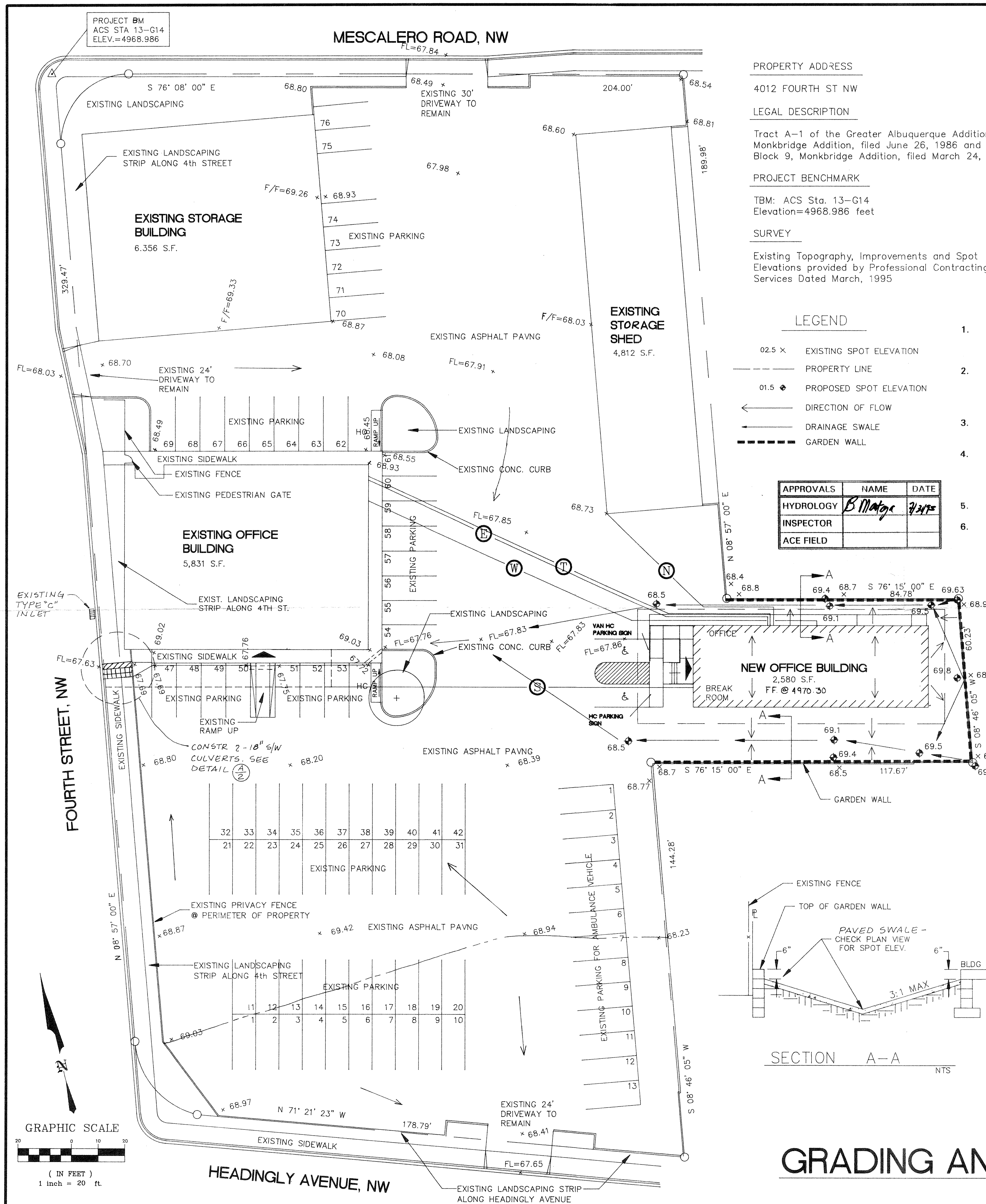
If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
Arlene Portillo
File



PROPERTY ADDRESS

4012 FOURTH ST NW

LEGAL DESCRIPTION

Tract A-1 of the Greater Albuquerque Addition and Monkbridge Addition, filed June 26, 1986 and Lots 1-3, Block 9, Monkbridge Addition, filed March 24, 1917

PROJECT BENCHMARK

TBM: ACS Sta. 13-G14
Elevation=4968.986 feet

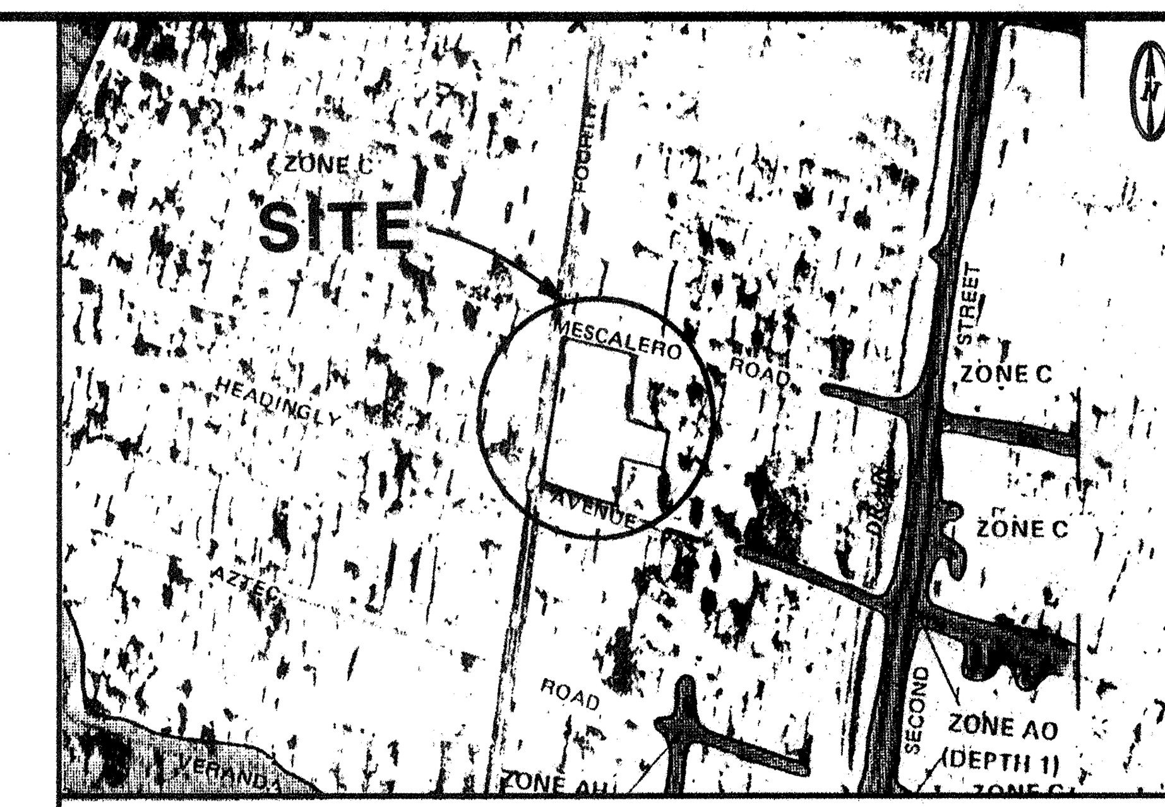
SURVEY

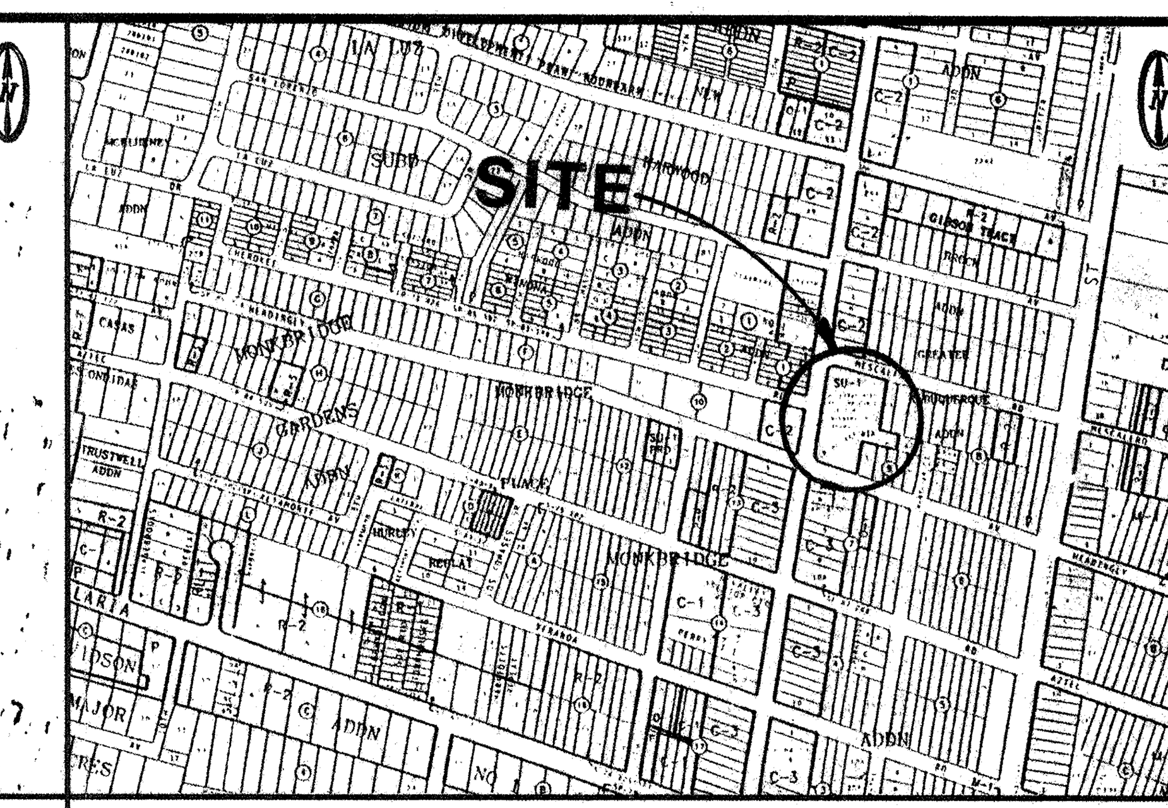
Existing Topography, Improvements and Spot Elevations provided by Professional Contracting Services Dated March, 1995

LEGEND

02.5 ×	EXISTING SPOT ELEVATION
— — —	PROPERTY LINE
01.5 ⊗	PROPOSED SPOT ELEVATION
←	DIRECTION OF FLOW
———	DRAINAGE SWALE
■ ■ ■	GARDEN WALL

APPROVALS	NAME	DATE
HYDROLOGY	B Matoga	7/31/95
INSPECTOR		
ACE FIELD		

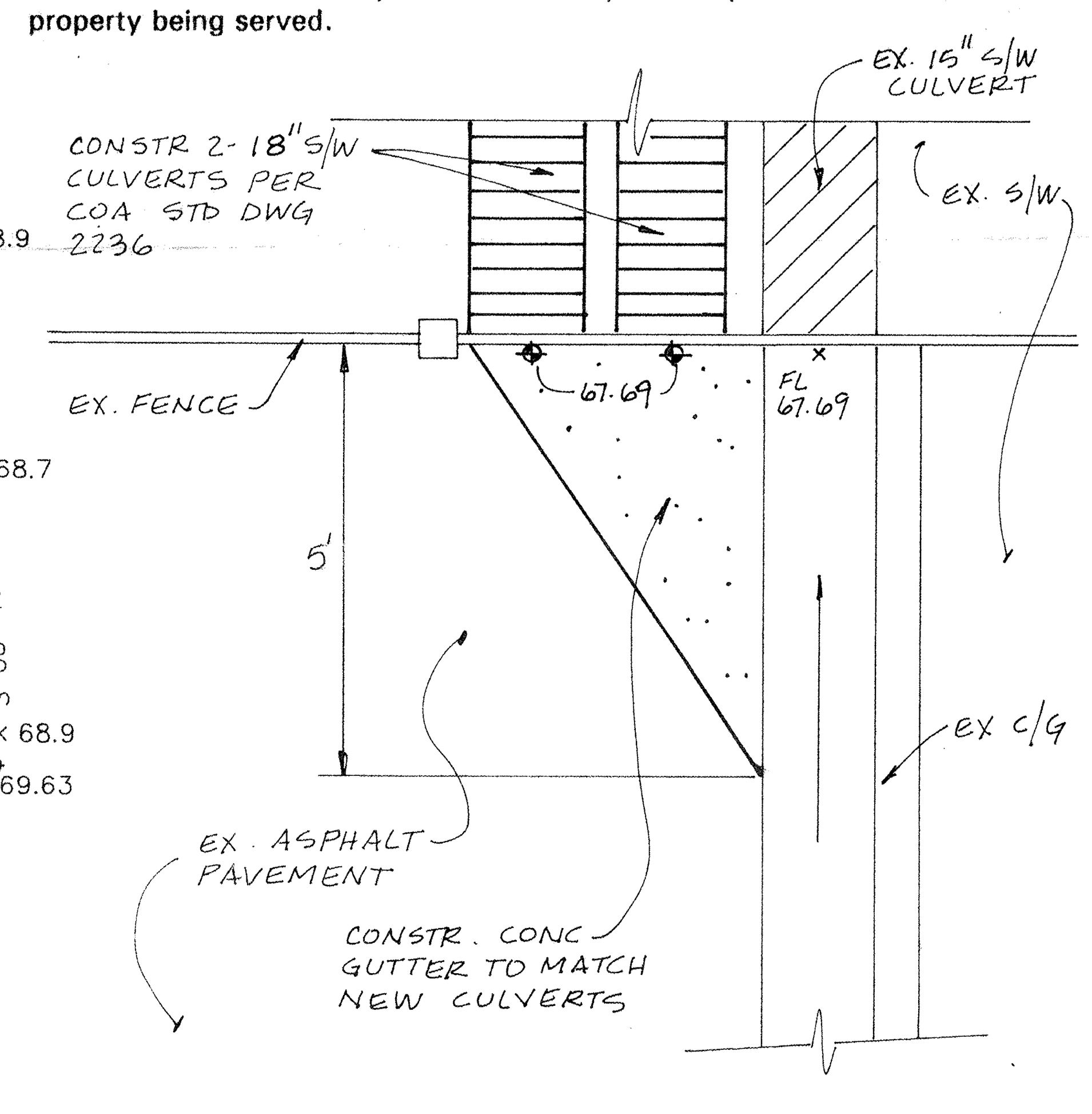




DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY

NOTICE TO CONTRACTOR

1. An excavation/construction permit will be required before beginning any work within City right-of-way. An approved copy of these plans must be submitted at the time of application for this permit.
2. All work detailed on these plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with the "City of Albuquerque Standard Specifications, Public Works Construction", 1986 Edition, with Update No. 5, and amendments through September 8, 1994.
3. Two working days prior to any excavation, the contractor must contact Line Locating Service, 260-1990, for location of existing utilities.
4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all constructions. Should a conflict exist, the contractor shall notify the Engineer so that the conflict can be resolved with a minimum amount of delay.
5. Backfill compaction shall be according to arterial street use.
6. Maintenance of the facility shall be the responsibility of the owner of the property being served.



SIDEWALK CULVERT DETAIL (A)
NTS

SECTION A-A
NTS

GRADING AND DRAINAGE PLAN

PURPOSE AND SCOPE

Pursuant to the established Drainage Ordinance for the City of Albuquerque and the Development Process Manual, this Grading and Drainage Plan defines the drainage management criteria that will control developed runoff from the project site. The property is to be developed as an office building, with associated paving, landscaping, utility, grading, and drainage improvements. The scope of this plan is to provide grading and drainage information and construction details as required for building permit approval.

EXISTING CONDITIONS

The Albuquerque Ambulance property contains approximately 2.1 acres; the project site is approximately 0.18 acres and is part of the larger Albuquerque Ambulance site. The site is located at 4012 Fourth Street NW. The larger Albuquerque Ambulance site is bounded on the North by Mescalero Road NW, on the South by Headingly Avenue NW, on the West by Fourth Street NW and on the East by developed residential property. Presently, the site is paved and is being used as a parking lot. Site topography slopes from East to West at 0.5%..

Developed on-site flow from the north of the remaining Albuquerque Ambulance site drains thru a sidewalk culvert near the Southeast corner of the existing office building, under a handicap ramp, then finally thru another sidewalk culvert, near the Southwest corner of the building, exiting onto Fourth Street. The Southern half of the remaining Albuquerque Ambulance site drains as sheet flow to collect at the South side of the existing office building, and then flows through the sidewalk culvert onto Fourth Street. No off-site flows impact the site from the north, south, east or west. On-site, all flow drains as sheet flow to the West and thru the existing culvert on the Southeast side of the office building, under the handicap ramp, then thru the sidewalk culvert and onto Fourth Street.

As shown by the attached Floodway Panel, this site does not lie within a designated 100 year flood hazard zone.

DEVELOPED CONDITIONS

As shown by the Plan, the project consists of the development of a portion of a paved parking lot into an office building. The Plan shows the contours and elevations required to properly grade and construct the required improvements. The direction of drainage flows are given by flow arrows and the project hydrology is tabulated for both existing and developed conditions.

All drainage flows will be managed on-site, where they will drain thru the surrounding Albuquerque Ambulance site, and into Fourth street thru the existing sidewalk culvert as described above.

As shown by the calculations, further development of this site will not increase the peak flow rate, or increase the flooding potential of downstream properties.

EROSION CONTROL

Temporary erosion control will be required during construction to direct all on-site flows into the existing Albuquerque Ambulance parking lot. Temporary erosion control berms will be built on the North, East and South property lines per details provided on the plan.

CALCULATIONS:

The calculations shown hereon define the 100 year/6 hour design storm falling with the project area under existing and developed conditions. The On-site Hydrology is calculated using the AHYMO computer program per "Section 22.2, Part C, DPM, Vol 2" Dated January 1993.

```
*S              ALBUQUERQUE AMBULANCE COMMERCIAL SITE  (ABQAMB.DAT)
*S              100-YEAR  6 HOUR RAINFALL
START                TIME=0.0 PUNCH CODE=0  PRINT LINE=0
RAINFALL             TYPE=1  RAIN QUARTER=0   RAIN ONE=1.90
                     RAIN SIX=2.20  RAIN DAY=2.60  DT=0.033333
COMPUTE NM HYD       ID=1   HYD NO= 101.0   DA=0.0033 SQ MI
                     PER A=0.0  PER B=0.0  PER C=10.0
                     PER D=90.0  TP=0.133333HR MASSRAIN=-1
PRINT HYD            ID=1 CODE=5
*
FINISH
```

```
AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994      RUN DATE (MON/DAY/YR) =05/17/1995
INPUT FILE = abqamb.dat                                                          USER NO.= BRASHERE.I01

                             FROM  TO              PEAK       RUNOFF              TIME TO   CFS     PAGE =  1
               HYDROGRAPH    ID    ID    AREA      DISCHARGE  VOLUME    RUNOFF    PEAK      PER
COMMAND        IDENTIFICATION NO.  NO.   (SQ MI)   (CFS)      (AC-FT)   (INCHES)  (HOURS)   ACRE    NOTATION

*S             ALBUQUERQUE AMBULANCE COMMERCIAL SITE  (ABQAMB.DAT)
*S             100-YEAR  6 HOUR RAINFALL
START                                                                                       TIME=       .00
RAINFALL  TYPE= 1                                                                           RAIN6=    2.200
COMPUTE NM HYD      101.00   -     1    .00330      9.06      .329   1.87099   1.500   4.289 PER IMP=  90.00
FINISH
```

GRADING AND DRAINAGE PLAN

7-27-95
5-17-95
6-23-95

BRASHER & LORENZ, INC.
4425 JUAN TABO BLVD. NE., SUITE 202
ALBUQUERQUE, NM 87111
PH (505)296-0422 FAX (505)296-0466

FILE: 5024G-D | DRAWN BY: STAFF | CHECKED BY: D.A.L.

MODEL: COMMERCIAL
FILE: PBSIAAS
DRAWN BY: EARL HILCHEY, AIA
DATE: 03/15/95
REVISIONS:

PREFERRED BUILDING SYSTEMS INC.
COMMERCIAL - RESIDENTIAL -
9100 PAN AMERICAN FREEWAY EAST
ALBUQUERQUE, N.M. 87113
(505) 822-0800

A NEW OFFOCE BUILDING FOR:
ALBUQUERQUE AMBULANCE SERVICE
4012 FOURTH STREET, NW
ALBUQUERQUE, NEW MEXICO 87107

PLAN STATUS: FINAL

CUSTOMER:
DESIGN:
ESTIMATING:
SUPERINTENDENT:

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