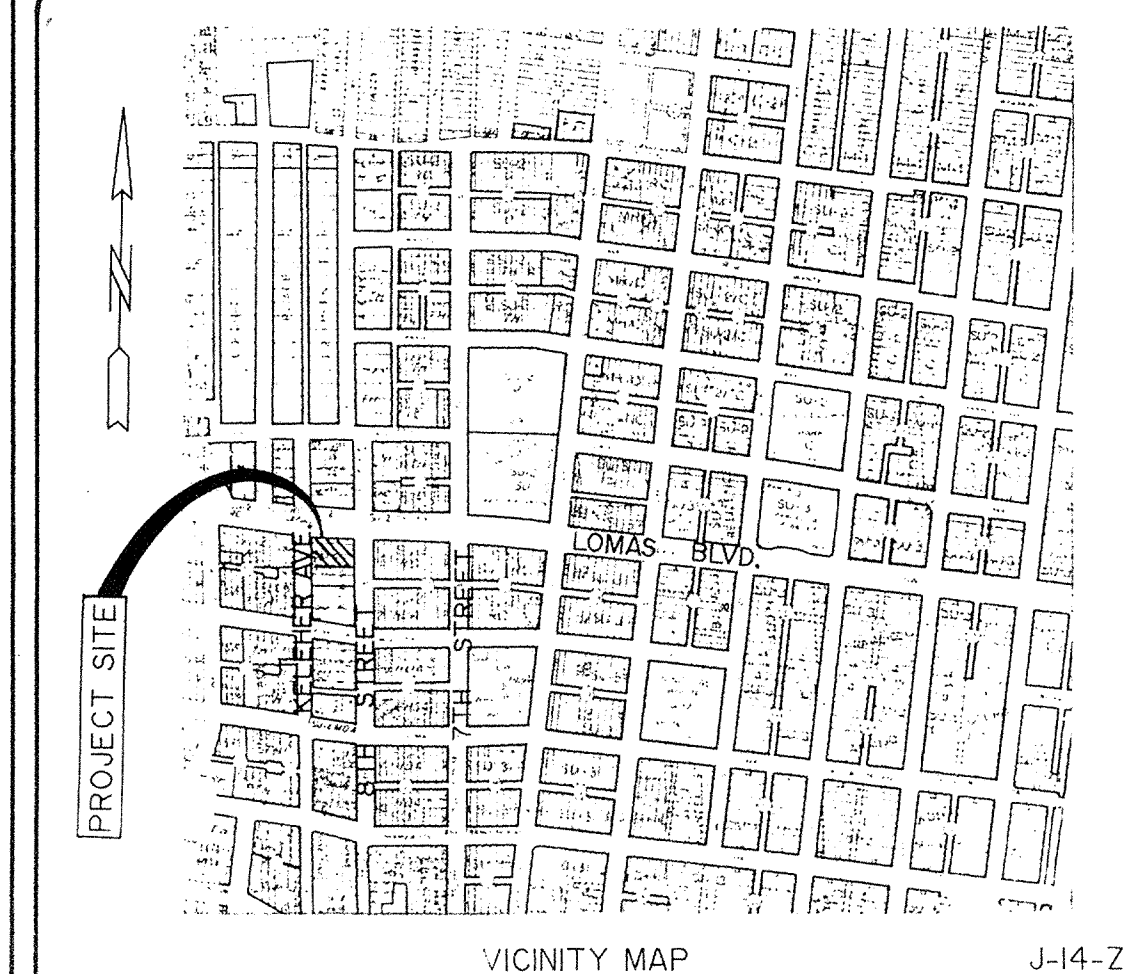
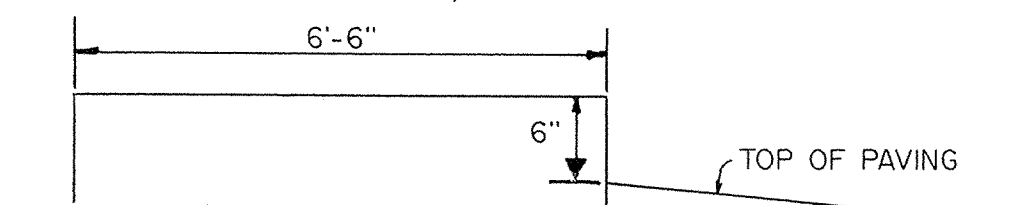


PROJECT: BERNALILLO COUNTY
FAMILY HEALTH CENTER
LOCATION: ALBUQUERQUE, N.M.
OWNER:

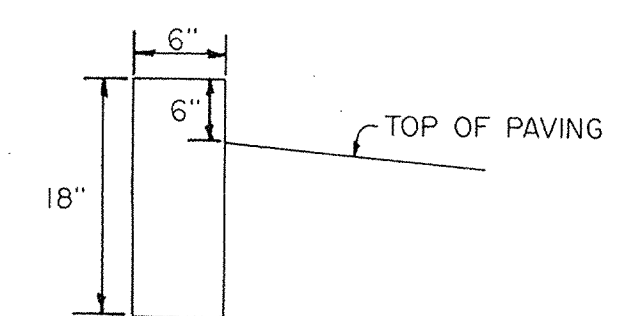


LEGEND

- TP = TOP OF PAVEMENT
- TSW = TOP OF SIDEWALK
- TC = TOP OF CURB
- FF = FINISH FLOOR
- 98.5 - - - EXISTING CONTOURS
- 98.12 - - - EXISTING SPOT ELEV.
- 99.85 TC - FINISH GRADES
- 99.35 TP - FINISH CONTOURS



SIDEWALK
SECTION A-A



HEADER CURB
SECTION B-B

DRAINAGE AND GRADING PLAN

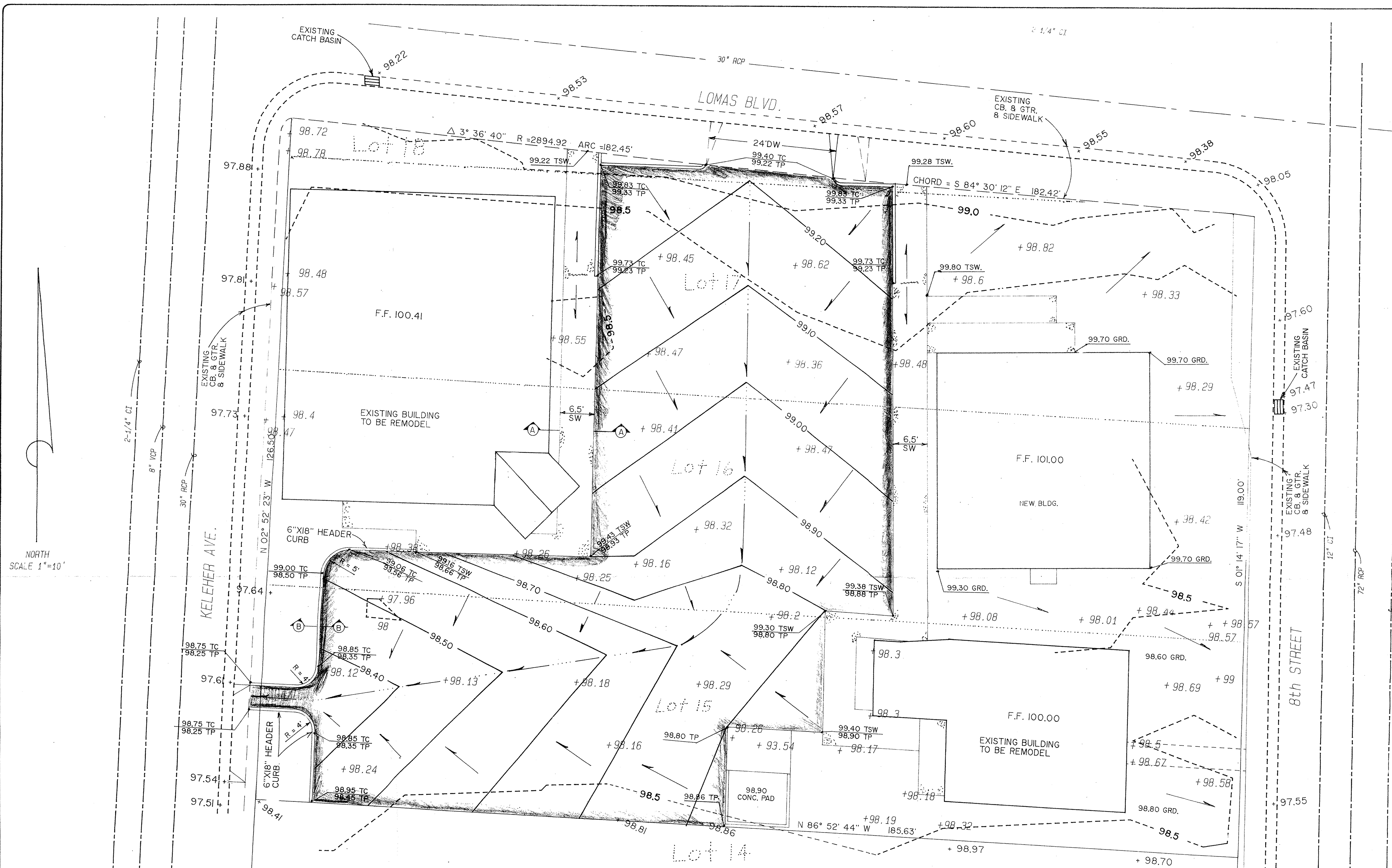
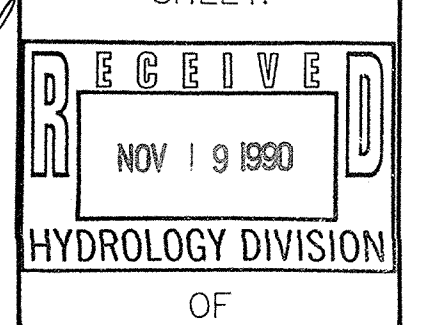
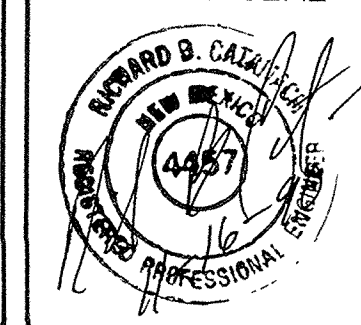
DATE: 11-14-90 DRAWN: C.C. CHECKED: D.H.
APPROVED:

REVISIONS:

ARCH. SEAL

ENGR. SEAL

SHEET:



NOTES:

- Legal description Lot 15, 16 and portion of 17 and 18 of the Nichols and Bowden addition.
- Surveyor: Lynn Engineering and Surveying, Inc.
- Bench Mark: ACS - aluminum cap stamped "17-J14,1983" set flush with the top of concrete, located in the median at 8th Street and Lomas Avenue on the west side of 8th Street.
- The site is not located within a designated 100 year flood zone.
- Soils: Site consist of Glendale (Moderate too clayey). Hydrologic Soil Group "B"
- Zone - SU-2/RC

SCOPE OF PURPOSE

Renovation of two existing buildings, demolition of two buildings, construction of new 1600 building and parking facilities. This development is for The Albuquerque Family Health Center.

EXISTING CONDITIONS

At the present time there are three residential buildings and two car detached garages. Drainage drains to 8th Street and to Keleher Avenue. There is a 6' high cedar fence on the south property line. Between building ground cover is dirt and is very flat ground.

THE EXISTING RUN-OFF

Area = 0.514 Ac.
6 - Hour 100 year Rain Fall = 2.3 inches
T.C. Kirpich Equation
 $TC = 0.0078 \times L^{0.77}$
 50.385
 $TC = 0.0078 \times 1700.77$
 $.0060.385$
 $TC = .0078 \times 373.99$
 $TC = 2.92$ minutes use 10 minutes
 $TC = 10$ minutes
 $I = 2.3 (6.84) 10^{-51}$
 $I = 4.86 \text{ in/hr.}$
 $C = \frac{5650 \times 90 + 16740 \times 40}{22390} = 0.53$
 $Q_{100} = CIA$
 $Q_{100} = .53 \times 4.86 \times .514$
 $Q_{100} = 1.32 \text{ cfs}$

THE DEVELOPED RUN-OFF

Area = 0.514 Ac
TC = 10 minutes
 $I = 4.86 \text{ in/hr}$
 $C = \frac{8565 \times 95 + 6655 \times 90}{22390} = .68$
 $C = .68$
 $Q_{100} = CIA$
 $Q_{100} = .68 \times 4.86 \times 0.514$
 $Q_{100} = 1.70 \text{ cfs}$

The added flows is .42 cfs on 100 year storm. These waters will be going out into Keleher Avenue thru a 4' x 5' concrete channel. It will drain south on Keleher Avenue to Fruit Avenue to a single catch basin on the north east corner of Keleher Avenue and Fruit Avenue.