HYDROLOGY K17/D30 FAIR PLAZA APARTMENTS

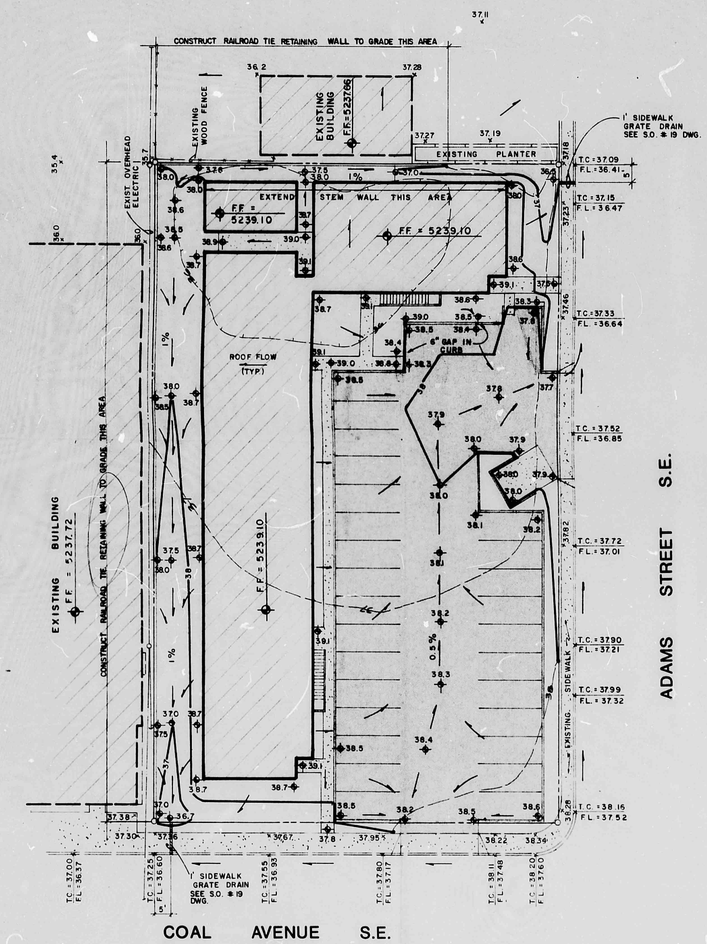
K17/D30

FAIR PLAZA

APARTMENTS

1 PLAN

SCALE: 1" = 20'



LEGEND

- ASPHALT PAVING
- LANDSCAPED AREA
- PROPERTY LINE
- EXISTING CURB & GUTTER W/SIDEWALK
- 12.7 EXISTING SPOT ELEVATION
- 12 EXISTING CONTOUR
- 12.7 PROPOSED SPOT ELEVATION
- 12 PROPOSED FINISHED CONTOUR
- SURFACE FLOW DIRECTION
- BUILDING STRUCTURE

NOTES:

1. LEGAL: Lot 18-A, Block 27, Valley View Addition, Bernalillo County, New Mexico. (Area = 0.574 Ac)

2. PROJECT NAME: 22 unit apartments for Fair Plaza Association.

3. ADDRESS: 225 Adams Street S.E.

4. SURVEYOR: Ron Fortbauer Surveying Company, June 1984.

5. BENCH MARK: 5-k-17-A Standard ACS Brass Disk, elevation 5233.23.

6. TBM: S.W. Corner of site, T.C. at property line projection elevation 5237.25.

7. SOILS: SCS Soils Map #31, Soil Type Cu, Soil Hydrologic Group "A".

8. FLOOD HAZARD: Site is not located in or adjacent to a flood hazard area (AMDS k-17).

9. OFF-SITE DRAINAGE: Site has slight slope to north, with slight depressions in NW corner. Site is boardered on south and east by existing streets, which intercept offsite flows. Area to north has building and improvements along the property line and does not contribute drainage to the site.

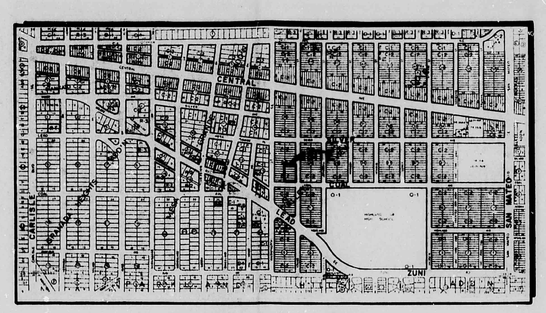
10. EROSION CONTROL PLAN: Site will be developed entirely in one phase, and as such, site will not have any stockpiled earthwork subject to erosion.

11. DRAINAGE CRITERIA. Per pre-design meeting with City Hydrology on July 2, 1984, the following criteria was established:
    a) Highland Detention Facility is located in an area which affords free discharge from the site. Verify proposed construction schedule with Jim Fink.

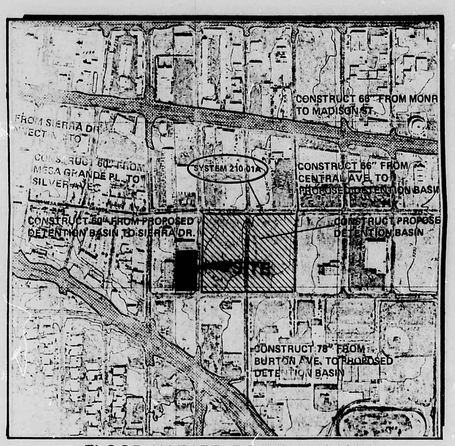
        1. Subsequent letter from Dan Hogan with Jim Finks office indicates that Phase I of the Highland Detention project will be completed before the 1985 flood season. (See attached letter with information sheet)

12. FLOW RATES:
    a) Undeveloped Site: presently bare earth cover.
    Plate 22.2 C-1 DPM - "C" factor for 0% impervious = 0.18
    Type "A".
    Plate 22.2 D-1 DPM - Tc = 10 min., I = 2.15" per hour
    6 hour rainfall = 2.35"
    Plate 22.2 E-1 DPM - Q = CIA
    Q = (0.18)(2.35)(2.15)(0.574 Ac.)= 0.5 cfs

    b) Developed Site:
    Plate 22.2 C-1 DPM - "C" factor for 83% impervious = 0.67
    Plate 22.2 D-1 DPM - Tc = 10 min., I = 2.15" per hour
    6 hour rainfall = 2.35"
    Plate 22.2 E-1 DPM - Q = CIA
    Q = (0.67)(2.35)(2.15)(0.574 Ac.)= 1.9 cfs.



VICINITY MAP K 17



FLOOD HAZARD BOUNDARY MAP

RECEIVED AUG 07 1984 HYDROLOGY SECTION

C.T.S. INC. ENGINEERING
1100 ALVARADO N.E. SUITE A
ALBUQUERQUE, NEW MEXICO 87110
(505) 265-3446

REVISIONS	DATE
DESIGNED CW	8-84
DRAWN CW	8-84
CHECKED C.W.	8-84

DRAINAGE / GRADING PLAN
FAIR PLAZA ASSOC. APARTMENTS

CHRISTOPHER L. WEBB NEW MEXICO 6853 REGISTERED PROFESSIONAL ENGINEER

SHEET 1 OF