HYDROLOGY

H18/D38

ONE PLAN

1 PLAN FOR

OFFICE BLDG
6201 UPTOWN BLVD.

H 18 - D 38

Plan Shot IN two Sections

THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

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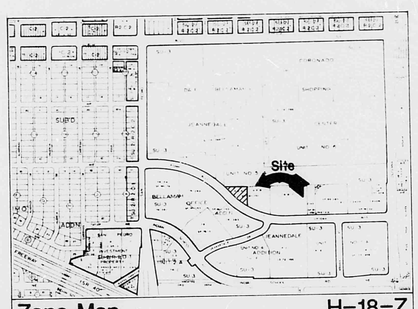
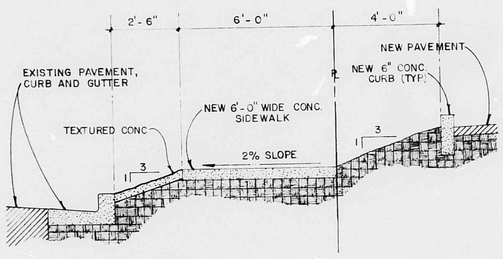


Zone Map H-18-Z

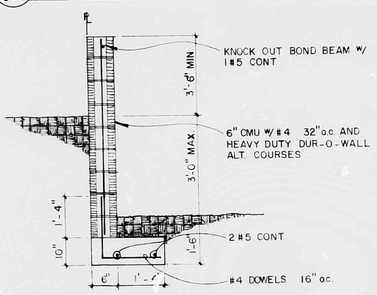
Flood Boundary Map Panel No. 24

LEGEND

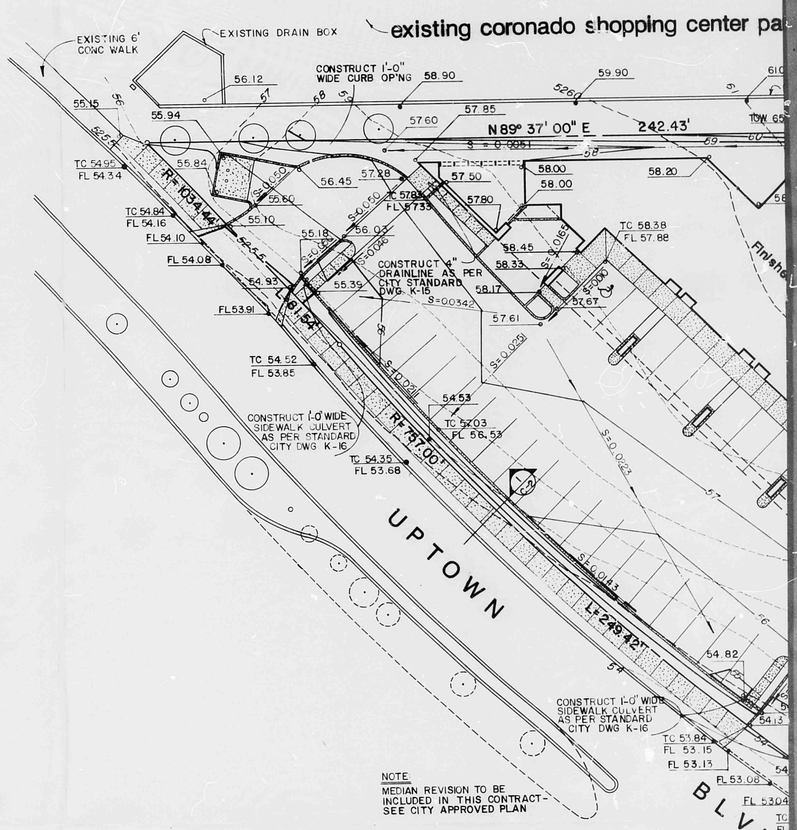
ITEM	EXISTING	PROPOSED
spot elevation	• 00.00	○ 00.00
grade contour	——6060——	——6060——



1 / C-2 SECTION scale 3/8" = 1'-0"



2 / C-2 SECTION scale 3/4" = 1'-0"



NOTE:
MEDIAN REVISION TO BE INCLUDED IN THIS CONTRACT - SEE CITY APPROVED PLAN

DRAINAGE AND GRADING PLAN

THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

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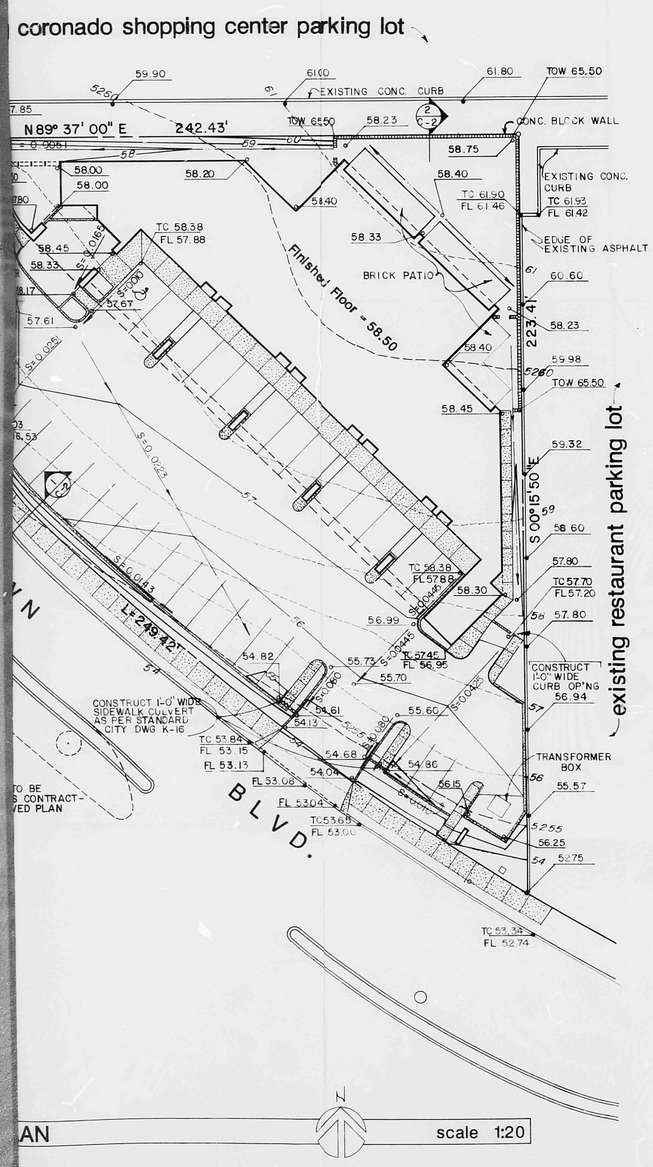

DRAINAGE CALCULATIONS

ONE CORONADO PLACE

THE STUDY SITE IS LOCATED WEST OF THE INTERSECTION OF JEANNEDALE DR. AND UPTOWN BLVD. N.E. ON THE NORTH SIDE OF UPTOWN BLVD. CONTAINING APPROXIMATELY 0.689 ACRES. THE SITE IS PRESENTLY UNDEVELOPED AND SLOPES FROM NORTHEAST TO SOUTHWEST WITH AN AVERAGE SLOPE OF 3.8 PERCENT. FLOWS FROM THE SITE DISCHARGE DIRECTLY TO UPTOWN BLVD. AND ARE TRANSPORTED EAST TO JEANNEDALE DR. WHERE THEY ARE INTERCEPTED BY A CATCH BASIN IN JEANNEDALE DR. THE CATCH BASIN IS CONNECTED TO A 66" STORM SEWER WITH A SLOPE OF 0.021 AND A CAPACITY OF 422 CFS. THE 100-YEAR PEAK DISCHARGE TO THIS PIPE IS 338 CFS (AMDS).

OFF-SITE FLOWS HAVE NO IMPACT ON THE PROPOSED DEVELOPMENT. ADJACENT AREAS NORTH, EAST AND SOUTHWEST ARE PREVENTED FROM CONTRIBUTING FLOWS TO THE SITE BY EXISTING ELEVATIONS. ALL ON-SITE FLOWS WILL BE DIVERTED AROUND THE PROPOSED BUILDING AND BE TRANSPORTED AS SURFACE FLOWS THROUGH THE PARKING AREAS AND LANDSCAPING TO UPTOWN BLVD.

CALCULATIONS:
A = 0.689 ACRES
I = 2.2 IN./HR.
100-YEAR, 6-HOUR RAINFALL = 2.3 IN.
i = (2.2)(2.3) = 5.06 IN./HR.
SOIL SERIES = TqB; HYDROLOGIC SOIL GROUP = B

EXISTING ON-SITE CONDITION:
PERCENT IMPERVIOUS = 0%
C = 0.34 PLATE 22.2 C-1
Q(100) = (0.34)(5.06)(0.689) = 1.19 CFS
Q(10) = (1.19)(0.657) = 0.78 CFS
CN = 70 PLATE 22.2 C-2
DIRECT RUNOFF = 0.4 IN. PLATE 22.2 C 4
V(100) = (0.4)(0.689)(43560)/12 = 1000 CU. FT.
V(10) = (1000)(0.657) = 657 CU. FT.

PROPOSED ON-SITE CONDITION:
PERCENT IMPERVIOUS = 85%
C = 0.81 PLATE 22.2 C-1
Q(100) = (0.81)(5.06)(0.689) = 2.82 CFS
Q(10) = (2.82)(0.657) = 1.86 CFS
CN = 92 PLATE 22.2 C-2
DIRECT RUNOFF = 1.5 IN. PLATE 22.2 C-4
V(100) = (1.5)(0.689)(43560)/12 = 3752 CU. FT.
V(10) = (3752)(0.657) = 2465 CU. FT.

CAPACITY OF 66" STORM SEWER IN JEANNEDALE DR.:
SIZE = 66"
SLOPE = 0.021
CAPACITY = 422 CFS
100 YEAR PEAK DISCHARGE = 338 CFS (AMDS)

CAPACITY OF CATCH BASIN:
S = 2.5 PERCENT
DEPTH = 1.0 FT.
CAPACITY = 19.5 CFS PLATE 22.3 D-5
DISCHARGE TO CATCH BASIN = 18 CFS

H10-
1-26-85

NOTICE TO CONTRACTOR

1. NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION-1979 EDITION WILL BE REFERRED TO HEREON AS THE "STANDARD SPECIFICATION".
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH PUBLIC WORKS CONTRACT NO. 85-1.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL DURING THE CONSTRUCTION PHASE.

APPROVED FOR DRAINAGE
6/4/85
DATE
Barney Montoya
SIGNATURE
ADVISE DRAINAGE INSPECTOR WHEN GRADING EXECUTED

RECEIVED
MAY 28 1985
HYDROLOGY SECTION

LEGAL DESCRIPTION

TRACT A-2-A; PLAT A-2-A AND A-2-B, DALE J. BELLAMAH'S JEANNEDALE, UNIT NO. 5, ALBUQUERQUE, NEW MEXICO. FILED MAY 18, 1981. BOOK C-18, page 81.

881-7376

job title: 1 CORONADO PLACE 6201 UPTOWN BLVD. N.E.		
Fritz Wiebelhaus	job no: 1584	date
sheet title: Grading and Drainage Plan	by: CMY	

VICTOR J. CHAVEZ — STATE OF NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER

delatorre • hannant pa architects aia
52 indian school ne suite a
albuquerque nm 87102 505 883-6885

sheet C-2 of

H18/D38