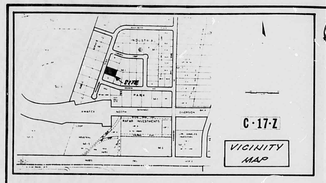


DRAINAGE COMMENTS:

THE FOLLOWING ITEMS CONCERNING THE SUBJECT SITE ARE CONTAINED ON THE GRADING AND DRAINAGE PLAN AS SHOWN HEREON:

1.) SITE GRADING AND DRAINAGE PLAN
2.) VICINITY MAP
3.) LEGAL DESCRIPTION
4.) LIMITS AND CHARACTER OF THE EXISTING AND PROPOSED IMPROVEMENTS
5.) HYDRAULIC DRAINAGE CALCULATIONS

AS SHOWN ON THE VICINITY MAP HEREON THE SUBJECT SITE IS LOCATED ON THE EAST SIDE OF WASHINGTON PLACE N.E. BETWEEN CORONA PLACE AND ANAHEIM AVENUE N.E., IN THE CITY OF ALBUQUERQUE, NEW MEXICO. (CITY ZONE MAP NO. C-17-Z)

THE PROJECT SITE, (1.) DOES NOT LIE WITHIN A FLOOD PLAIN, (2.) DOES NOT LIE ADJACENT TO A NATURAL OR ARTIFICIAL WATER COURSE, (3.) HAS NO DRAINAGE EASEMENTS ON THE PROPERTY.

BASED ON A SITE INVESTIGATION, IT HAS BEEN DETERMINED THAT THE FREE DISCHARGE OF SURFACE FLOWS OF THE EXISTING AND PROPOSED QUANTITIES HAVE NO ADVERSE AFFECT ON DOWNSTREAM PROPERTIES.

DRAINAGE CALCULATIONS:

I. REFERENCES:

A. CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM), VOL. 2, DESIGN CRITERIA, CHAPTER 22, DRAINAGE, FLOOD CONTROL AND EROSION CONTROL.

B. SOIL SURVEY OF BERNALILLO COUNTY AND PARTS OF SANDOVAL AND VALENCIA COUNTIES, NEW MEXICO, UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, (SCS SHEET No. 11).

II. GENERAL INFORMATION:

A. SOIL TYPE: SOIL TYPE IS "EmB". EMBUDO GRAVELLY FINE SANDY LOAM. 0 TO 5 PERCENT SLOPES; HYDROLOGIC SOIL GROUP "B".

B. IMPERVIOUSNESS:

SITE AREA = 0.574 ACRES. (25,000.00 SQ. FT.).
PRESENT UNDEVELOPED "C" FACTOR = 0.40

C. TYPE OF SURFACE (DEVELOPED):

HARD SURFACED (ASPHALT/CONC.)	= 0.30 AC.	= 53% X (C=0.95) = 0.[illegible]
BUILDING ROOF AREA	= 0.18 AC.	= 31% X (C=0.90) = 0.[illegible]
LANDSCAPED AREA	= 0.09 AC.	= 16% X (C=0.25) = 0.04
UNDEVELOPED AREA	= 0.00 AC.	= 0% X (C=0.40) = 0.00
	AVERAGE "WEIGHTED" "C" = 0.82	

D. RAINFALL, 100-YR., 6-HR., R_6: (SEE REF. A., PLATE 22.2 D-1)
R_6 = 2.2 INCHES.

E. TIME OF CONCENTRATION, T_C = TEN (10) MINUTES FOR A SITE THIS SIZE.

F. RAINFALL INTENSITY, "I", (SEE REF. A., PLATE 22.2 D-2)
$I = R_6 \times 6.84 \times T_C^{-0.51} = 2.2 \times 6.84 \times (10)^{-0.51} = 4.65$ IN./HR.

III. PEAK DISCHARGE: (Q = CIA)

UNDEVELOPED: Q_{100} = 0.40 X 4.65 X 0.574 = 1.07 cfs
Q_{10} = 0.657 X 1.07 = 0.70 cfs

DEVELOPED: Q_{100} = 0.82 X 4.65 X 0.574 = 2.19 cfs
Q_{10} = 0.657 X 2.19 = 1.44 cfs

IV. PEAK VOLUME:

A. EXISTING CONDITIONS:
V_{100} = 0.40 X (2.2 /12) X 25,000.0 = 1,833.3 CU. FT.
V_{10} = 0.657 X 1,833.3 = 1,204.5 CU. FT.

B. DEVELOPED CONDITIONS:
V_{100} = 0.82 X (2.2 /12) X 25,000.0 = 3,758.3 CU. FT.
V_{10} = 0.657 X 3,758.3 = 2,469.2 CU. FT.

NOTE: ALL RUN-OFF FROM THE SUBJECT SITE WILL BE FREE DISCHARGED THROUGH THE PROPOSED DRIVEWAYS AND INTO WASHINTON PLACE N.E. WHICH FLOWS DISCHARGE INTO THE A.M.A.F.C.A. NORTH DIVERSION CHANNEL.

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, EXCAPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCONDANCE WITH "CONTRACT DOCUMENTS FOR CITY WIDE UTILITIES AND CASH PAVING NO. 31".

3.) TWO WORKING DAYS PRIOR TO ANY EXCAVATION,CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING SURFACE AND SUB-SURFACE 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.

CONSTRUCTION NOTES:

1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 765-1234 FOR LOCATION OF EXISTING UTILITIES.

2.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS: SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.

3.) ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

4.) ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT FOR STORM RUN-OFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

1.) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTIES.

2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREETS.

3.) THE CONTRACTOR SHALL IMMEDIATELY AND THROUGHLY REMOVE ANY AND ALL SEDIMENT WITHIN PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

LEGAL DESCRIPTION:

LOT SIX (6), CLIFFORD INDUSTRIAL PARK, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

(7)

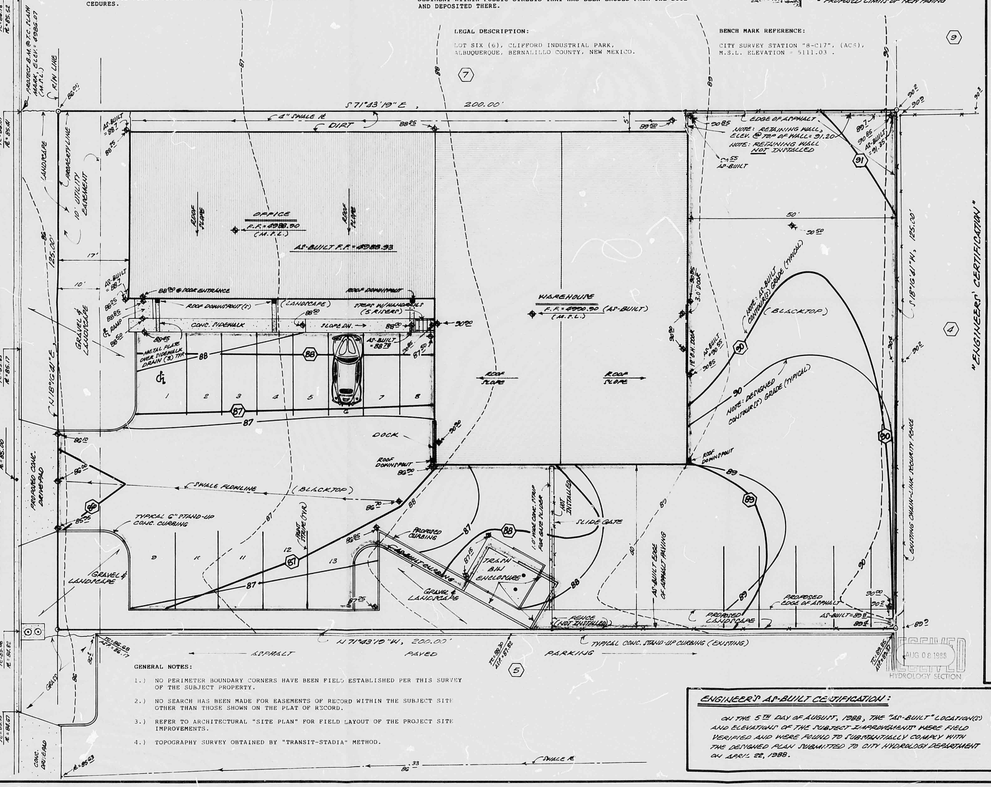
BENCH MARK REFERENCE:

CITY SURVEY STATION "8-C17". (AC8). M.S.L. ELEVATION - 5111.03 .

(9)

LEGEND:

T.C. = 86.20	= TOP OF CURB ELEVATION
F.L. = 85.51	= CURB FLOW LINE ELEVATION
	= EXISTING OR PROPOSED CONCRETE
---- 87 ----	= EXISTING CONTOUR
—— 85 ——	= PROPOSED CONTOUR
	= EXISTING FENCE
86.55	= PROPOSED SPOT ELEVATION
	= PROPOSED LIMIT OF NEW PAVING



GENERAL NOTES:

1.) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.

2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD WITHIN THE SUBJECT SITE OTHER THAN THOSE SHOWN ON THE PLAT OF RECORD.

3.) REFER TO ARCHITECTURAL "SITE PLAN" FOR FIELD LAYOUT OF THE PROJECT SITE IMPROVEMENTS.

4.) TOPOGRAPHY SURVEY OBTAINED BY "TRANSIT-STADIA" METHOD.

C-17/D001GQ

REF. 21 DATE 6-28-92 OF ETP
CITY OF ALBUQUERQUE
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PLANS/PLATS ON FILE

FILE DESC: C-17/D001GQ

PLANS/PLATS 1

F 30 D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D F