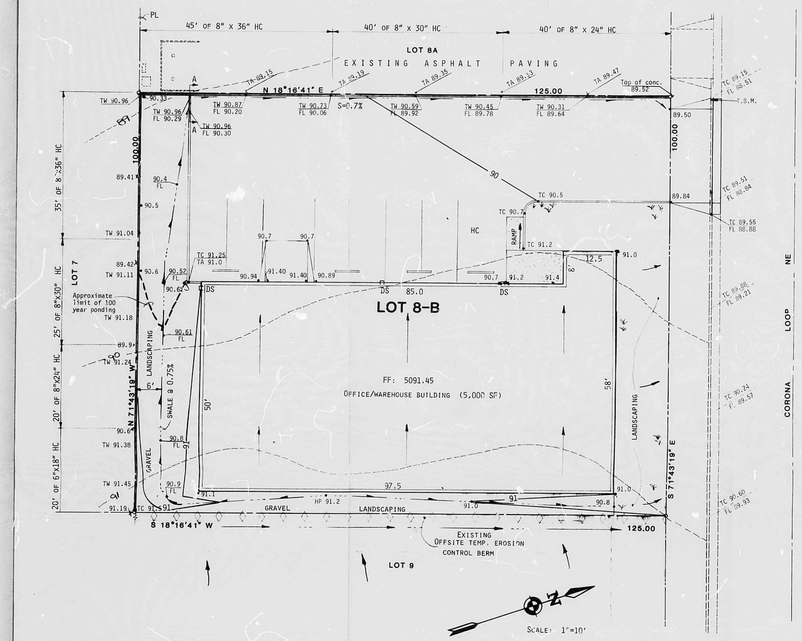


LEGEND

	EXISTING CONTOUR
	PROPOSED CONTOUR
TC 89.55	TOP OF CURB ELEV
FL 88.88	FLOWLINE ELEVATION
TW 90.31	TOP OF WALL ELEV.
TA 89.35	TOP OF ASPHALT ELEV.
FF: 5091.45	FINISH FLOOR ELEV.
	HEADER CURB (SEE DETAIL)
	FLOW DIRECTIONAL ARROW
HP 91.2	HIGH POINT

LEGAL DESCRIPTION: LOT 8-B, CLIFFORD INDUSTRIAL PARK.
SURVEYOR: WESCON, INC., 7301 JEFFERSON ST. NE; MAY, 1988.
BENCHMARKS: ACS BRASS CAP "8-C17" LOCATED IN THE TOP OF THE WEST CURB ON WASHINGTON ST. NE 0.3 MILE NORTH OF PASEO DEL NORTE.
ELEVATION: 5111.05

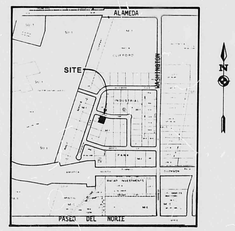
TEMPORARY BM: PAINT SPOT ON THE TOP OF THE SOUTH CURB OF CORONA LOOP NE AT THE EXTENSION OF THE WEST PROPERTY LINE OF THIS SITE.
ELEVATION: 5089.15

SITE SOIL: FROM THE SCS SOIL SURVEY OF BERNALILLO COUNTY THIS SITE IS EMBUDO AND WINK-EMBUDO SOILS WHICH ARE CLASSIFIED AS HYDROLOGIC GROUP 'B' SOILS.

FLOOD HAZARD: AS FOUND ON PANEL 9 OF 50 OF THE FEMA FLOOD HAZARD MAPS, THIS SITE IS NOT LOCATED IN A FLOOD ZONE.

CALCULATIONS: DRAINAGE COMPUTATIONS ARE BASED ON THE RATIONAL FORMULA FOR BOTH RUNOFF AND VOLUMES PER THE APPROVED AUGUST, 1982 BOHANNAN HUSTON MASTERPLAN FOR THE CLIFFORD INDUSTRIAL PARK.

OFFSITE FLOWS: THE EXISTING EARTH BERM DEFLECTS ALL FLOWS FROM THE UNDEVELOPED LOT ADJACENT TO THE EAST. NO OFFSITE FLOWS ENTER THE SITE.



ZONE ATLAS C-17 SCALE: 1"=750'±

VICINITY MAP

DRAINAGE CALCULATIONS

AREA: 12,500 SQ.FT. = 0.287 ACRE

P = 2.2 IN/HR I = 4.75

UNDEVELOPED CONDITION: C = 0.40

Q_{100} = (0.40)(4.75)(0.287) = 0.55 CFS

Q_{10} = (0.657)(0.35) = 0.36 CFS

V_{100} = (0.40)(2.2/12)(12,500) = 920 CF

V_{10} = (0.657)(920) = 610 CF

DEVELOPED CONDITION: THE PROPOSED IMPROVEMENTS INCLUDE A 5,000 SQ.FT. BUILDING, 4,450 SQ.FT. OF ASPHALT AND CONCRETE SURFACING, AND 3,050 SQ.FT. OF LANDSCAPING (1850 SQ.FT. WILL BE GRAVEL LANDSCAPING).

RUNOFF COEFFICIENT

ROOF	(5000/12500)(0.90)	= 0.36
PARKING	(4450/12500)(0.95)	= 0.34
LANDSCAPE	(1200/12500)(0.25)	= 0.02
GRAVEL LANDSCAPE	(1850/12500)(0.40)	= 0.06
	COMPOSITE 'C'	= 0.78

Q_{100} = (0.78)(4.75)(0.287) = 1.06 CFS

Q_{10} = (0.657)(1.06) = 0.7 CFS

V_{100} = (0.78)(2.2/12)(12,500) = 1,790 CF

V_{10} = (0.657)(1,790) = 1,180 CF

ALLOWABLE DISCHARGE RATE & VOLUME FROM DRAINAGE MASTERPLAN

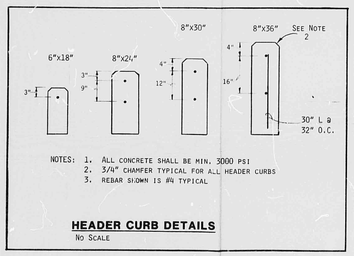
Q_{100} = (0.7)(4.75)(0.287) = 0.95 CFS

V_{100} = (0.7)(2.2/12)(12,500) = 1610 CF

POND VOLUME REQUIRED IS 1790 CF - 1610 CF = 180 CF

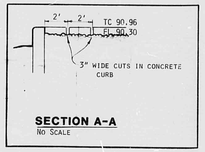
DETENTION POND

THE SHALLOW POND CREATED AT THE SW CORNER OF THE SITE WILL ACCEPT RUNOFF FROM APPROXIMATELY ONE-THIRD OF THE NEW BUILDING AND MOST OF THE AREA SHOWN AS GRAVEL LANDSCAPING. RELEASE WILL BE CONTROLLED BY THE NARROW CUTS IN THE CONCRETE CURB AS SHOWN IN SECTION A-A.



NOTES: 1. ALL CONCRETE SHALL BE MIN. 3000 PSI
2. 3/4" CHAMFER TYPICAL FOR ALL HEADER CURBS
3. REBAR SHOWN IS #4 TYPICAL

HEADER CURB DETAILS
No Scale



SECTION A-A
No Scale

APPROVED
JAN 17 1989
CITY OF ALBUQUERQUE
HYDROLOGY SECTION
Fred C. Arfman
1-16-89

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

Date
Designed
Checked

SAGA PRINTING
8723 CORONA LOOP NE
ALBUQUERQUE, NEW MEXICO

GRADING & DRAINAGE PLAN

Sheet 1 of

Ref 21 DATE 2-23-92 OPERATOR ETP

CITY OF ALBUQUERQUE

This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the PUBLIC WORKS DEPARTMENT - HYDROLOGY DIVISION and was filmed in the normal course of business. The photographic processes used meet the Basic Microfilm Standards of the National Micrographics Association (AIIM-1977).

Karen Aragon
CITY CLERK RECORDER

OFFICIAL SEAL
NORMETA SANCHEZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: May 8, 1995

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

PLANS/PLATS ON FILE

FILE DESC: C-17/D01 JJ

PLANS/PLATS 1

F 30 D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D F