



EXISTING HYDROLOGY

AREA	D.A.	H	S	L	Tc	SOIL	%	CN	C	P2	P 10	P 100	I 2	I 10	I 100	VOL 2	VOL 10	VOL 100	Q 2	Q 10	Q 100
ac.	ft.	ft/ft	ft	min	TYPE	IMP				in.	in.	in.	in/hr	in/hr	in/hr	cf	cf	cf	cfs	cfs	cfs
EXIST	1.38	2.0	0.0100	200	10	A	10	58	0.24	1.00	1.48	2.25	2.12	3.12	4.76	0	200	1,002	0.7	1.0	1.6

PROPOSED HYDROLOGY

AREA	D.A.	H	S	L	Tc	SOIL	%	CN	C	P2	P 10	P 100	I 2	I 10	I 100	VOL 2	VOL 10	VOL 100	Q 2	Q 10	Q 100
ac.	ft.	ft/ft	ft	min	TYPE	IMP				in.	in.	in.	in/hr	in/hr	in/hr	cf	cf	cf	cfs	cfs	cfs
I	0.93	1.0	0.0040	250	10	A	80	89	0.64	1.00	1.48	2.25	2.12	3.12	4.76	2,026	3,376	6,077	1.3	1.9	2.8
OFFSITE	0.45	2.0	0.0100	200	10	A	30	64	0.30	1.00	1.48	2.25	2.12	3.12	4.76	0	82	408	0.3	0.4	0.6

SOILS INFORMATION:

FROM SOIL SURVEY, BERNALILLO COUNTY, U.S.D.A., S.C.S.

Soil series and map symbols	Degree and kind of limitations for—						Suitability as source of—				Soil features affecting—		Hydrologic soil group
	Septic tank absorption fields	Sewage lagoons	Shallow excavations	Dwellings without basements	Sanitary landfill (except type 1)	Local roads and streets	Road fill	Sand	Gravel	Topsoil	Pond reservoir areas	Dikes, levees, and other embankments	
Brazito: Br, Bs, Bt	Slight	Severe: seepage.	Severe: cutbanks cave.	Slight	Severe: seepage; too sandy.	Slight	Good	Fair: excess fines.	Unsuitable	Fair: thin layer.	Seepage	Seepage: piping; erodes easily.	A

Bs—Brazito silty clay loam. This level soil is in the Rio Grande Valley. It has a profile similar to that described as representative of the series, but the surface layer is commonly 12 inches thick and in some areas is 12 to 14 inches thick. The surface layer is silty clay loam because plowing has mixed the fines from silty irrigation water with the underlying sand. In most areas the seasonal water table is below 60 inches. In about 7 percent of the mapped areas, however, it is at a depth of 45 to 60 inches and the soil is slightly to moderately saline. Slopes are 0 to 1 percent. Included in mapping are small areas of Agua silty clay loam and Brazito fine sandy loam.

Runoff is slow, and the hazard of water erosion is slight. Permeability is moderate to the underlying strongly contrasting sand layer and rapid below. Available water capacity is 4 to 5.5 inches.

This soil is used for irrigated alfalfa, row crops, and tame pasture. It is also used for wildlife habitat and community development. Sewage effluent can contaminate underground water supplies where this soil is used for community development. Irrigated capability unit III-S.

NOTES

- 1.) BENCH MARK: ACS STANDARD BRASS TABLET STAMPED "ACS 1-K-13". LOCATED APPROX. 225' SOUTH OF STOVER AVE. S.W. AND 0.4' WEST OF EIGHTH ST. S.W. ELEV. 4944.03
- 2.) SEE GRADING PLAN FOR PROPOSED ELEVATIONS AND CONSTRUCTION DETAILS.

LEGEND

- DRAINAGE AREA BOUNDARY
- DIRECTION OF FLOW
- PROPOSED CONCRETE RUNDOWN
- EXISTING SPOT ELEVATION
- RETAINING WALL
- APPROXIMATE OFFSITE PONDING (PROPOSED)
- APPROXIMATE PONDING (EXISTING CONDITIONS)

DESCRIPTION:

TRACT A, OF THE LANDS OF SANCHEZ/CHAVEZ, as the same is shown and designated on the Map of said Plat, filed in the Office of the County Clerk of Bernalillo County, New Mexico, on October 19, 1988 in Plat Book C37, page 135.

BARELAS COURT TOWNHOMES
DRAINAGE REPORT EXHIBIT I

SCALE: 1" = 20'-0"

REVISIONS			
No.	Date	Remarks	By
1	3/8/89	Added Existing Hydrology And Concrete Rundown.	JD

DESIGN COLLABORATIVE SOUTHWEST INC. ARCHITECTS

AVID ENGINEERING, INC.

MAR 14 1989

HYDROLOGY SECTION