

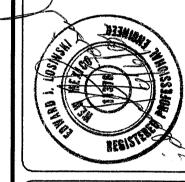
Precipitation				(inches	P60		<i>iber Optic</i> 1440 F		P10days	NEW STORY
Zone 4					2.23	2.9	3.65	4.7	5.95	Handa da Lando de La
Excess Precipitation	(inches) 0.8	1.08	1.46	2.64		0.8	1.08	1.46	2.64	
Peak Discharge	(cfs/acre) 2.2	2.92	3.73	5.25		2.2	2.92	3.73	5.25	
Drainage	Land Treatments - Existing Conditions					l and Treatment	s Davidana	I Constituent		
Areas	A B C D Area (sf)					Lend Treatments - Developed Conditions  A B C D				Area (sf)
Basin 1	17,424	0	0	0	17,424		0	4,350	1,050	17,424
Basin 2	14,375	0	0	0	14,375		. 0	3,590	5,755	14,375
					,	.,		-,	-,,,,,,	31,799
	Peak Flow Rate - Existing Conditions 100 yr					Peak Flow Rate - Developed Conditions				100 yr
Discharge	A	В	C	D	Q (cfs)	A	В	C	D	Q (cfs)
Basin 1	0.88	0.00	0.00	0.00	1.61	0.61	0.00	0.37	0.13	2.36
Basin 2	0.73	0.00	0.00	0.00	0.73	0.25	0.00	0.31	0.69	1.26
					2.33				-	3.62
Volume						Runoff Volume - Developed Conditions				100 yr
Six Hour	Six Hour Stor					Six Hour Storm				V (cu-ft)
Basin 1	1,162	0	0	0	2,120	802	0	529	231	3,600
Basin 2	958	0	0	٥.	958	335	0	437	1,266	2,038
		1844 S. 2005 - 100 V - 100	SKI CHARLESTO	SUSAN ZOVOTO	3,078					5,638
Volume	Ten Day Storm Event V (cu-ft)				Runoff Volume - Developed Conditions Pond				100 yr	
Ten Day					Ten Day Storm	Event		Vol. Req.	V (cu-ft)	
Basin 1					6,549				2275	8,029
Basin 2	1				4,612				1080_	5,692
or and a second of the second	1				11,161	Į.			_	13,721

SCALE: 1" = 20'

## HOCH **ASSOCIATES**



PLANNERS INTERIORS 809 S. CALHOUN ST. . SUITE 500 FORT WAYNE, INDIANA 46802 TELEPHONE 219.424.7200 TELEFAX 219.424.7301



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SAN PEDRO AINAGE PLAN SHEET NAME CABLEVISION AND ODRA LSHIRE AVE. GRADING AND THIRD LINE COMCAST

DRAWING NUMBER

1 OF 1

## **DRAINAGE PLAN**

MAP NUMBER

35001C0137 I

**EFFECTIVE DATE:** 

**SEPTEMBER 20, 1996** 

Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

BERNALILLO COUNTY,

(SEE MAP INDEX FOR PANELS NOT PRINTED)

NEW MEXICO AND INCORPORATED AREAS

PANEL 137 OF 825

ALBUQUERQUE, CITY OF BERNALILLO COUNTY, UNINCORPORATED AREAS

Site Location - As shown by the Vicinity Map C-18, the 0.7252-acre site is located within Lot 17, Block 13, Unit B, North Albuquerque Acres, Bernalillo County, New Mexico. The site is approximately 0.50 miles north of the intersection of San Pedro Road and Paseo del Norte Boulevard, on the northwest corner of the intersection of San Pedro and Wilshire Avenue. The properties surrounding the subject site are fully developed and are primarily in

Legal Description - Lot 17, Block 13, Unit B, North Albuquerque Acres, Bernalillo County, New Mexico. The property boundary shown on this Plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey.

Survey - Prepared by Harris Survey and compiled from field measurement in July 2001. The benchmark for this property is based on Albuquerque Control Station No. "9-C18", having an elevation of 5229.79 feet above sea level.

Flood Zone - As shown by Panel 137 of 825 of the National Flood Insurance Program Flood Boundary and

Floodway Maps for the City of Albuquerque, New Mexico, dated September 20, 1996, this site lies outside the limits of the 100-year flood event.

Hydrologic Methods - The calculations, which appear hereon, analyze developed conditions for the 100-year, 6hour and 100-year 10-day rainfall events. The process outlined in the DPM, Section 22.2 for Zone 4 was used to quantify the peak flow rates and volumes. As shown by these calculations, the proposed improvements will result in minimal increased discharge.

Existing Conditions - No offsite runoff impacts the Lot and all adjoining flows are directed to the bar ditch conveyances of either Wilshire or San Pedro. San Pedro is slated to become an arterial section in the future. The existing site currently generates approximately 1.61 cfs within Basin 1 and 0.73 cfs within Basin 2 cfs under the 100-yr event. Flows generated on site are conveyed to the northwest for the upper 55% of the Lot and to the southwest for the southern 45% of the Lot via overland flow. The existing Lot is undeveloped and has sparse weed growth and no landscaping improvements. A chain link fence surrounds the site.

Proposed Conditions - The owner of the subject lease site is proposing to construct a 596 square foot unmanned electronics control station for local cable TV and Internet service. Access to the facility will utilize a proposed paved access to Wilshire Avenue. The calculated developed runoff is 2.36 cfs for Basin 1 and 1.26 cfs for Basin 2 under fully developed conditions. Site flows generated under the 100-year 10-day storm event yields 13,721 for both basins. Basin 1 will be collected in a shallow pond to be constructed on the northwest section of the Lot having a depth of 1.5 feet and an available volume of 2812 cubic feet which contains in excess the difference between previously discharged and proposed discharge flows. Basin @ flows will be discharged to the southwest into the existing bar ditch located along Wilshire Ave. The flows are conveyed under the proposed sidewalk improvements via a standard COA double sidewalk culvert. The total discharge at this point is 1.26 cfs. In total Basin 2 generates an additional 1266 cubic feet of storm volume during the 100-year, 10-day event.

Erosion Control Measures - The contractor shall ensure that no soil erodes from the site into public right-of-way or onto private property. This can be achieved by constructing temporary berms at the property lines and wetting the soil to keep it from blowing. The contractor shall promptly clean up any material excavated within the public right-ofway so that the excavated material is not susceptible to being washed down the street. The contractor shall secure "Topsoil Disturbance Permits" prior to beginning construction.

C18-D59