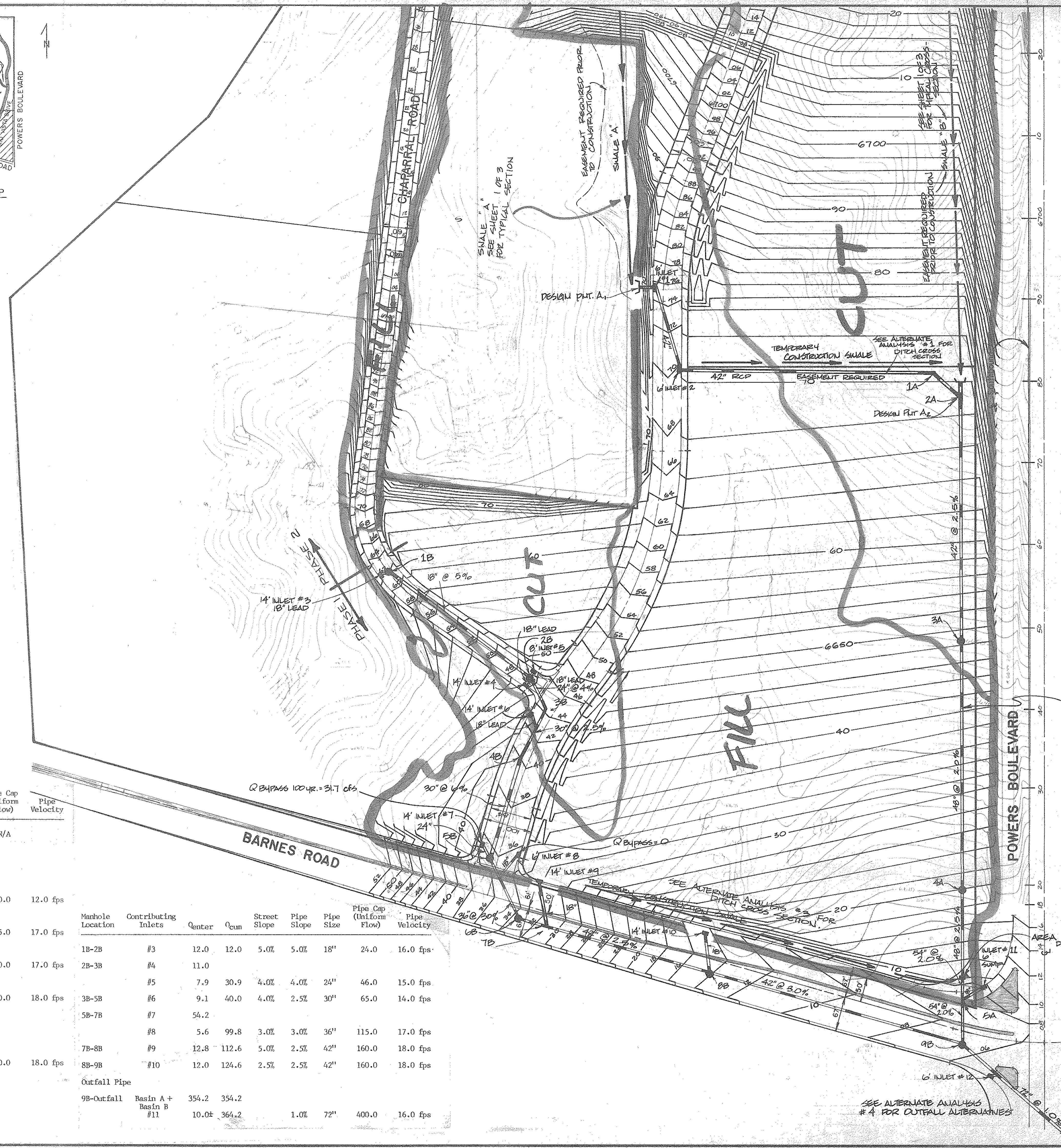
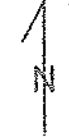
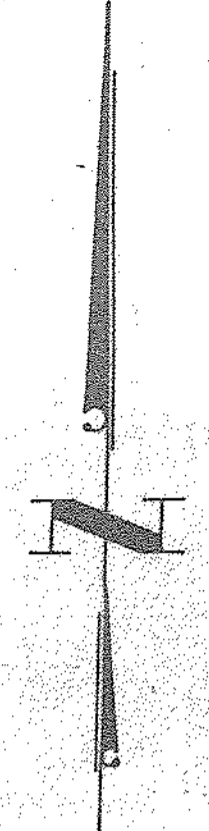


KEY MAP  
1" = 2000'



SCALE: 1" = 100'



Location	Contributing Inlets	Center	Q <sub>cum</sub>	Street Slope	Pipe Slope	Pipe Size	Pipe Cap (Uniform Flow)	Pipe Velocity
Culvert Under Rio Vista	Channel "A"	66.5	66.5	N/A	N/A	42"	N/A	
From Inlet 2 to MH 1A	#1	7.6						
	#2	7.6	81.7	N/A	1.0%	42"	100.0	12.0 fps
MH 2A to MH 3A	Area A-3		160.0	5%	2.5%	42"	175.0	17.0 fps
MH 3A to MH 4A	See Notes	20.0	180.0	5%	2.0%	48"	200.0	17.0 fps
MH 4A to Stump	See Notes	20.0	200.0	5%	2.5%	48"	220.0	18.0 fps
Area Stump to MH 9B	Area A-5	33.1	233.1					
	#11	9.1	242.2	N/A	2.0%	54"	280.0	18.0 fps

Manhole Location	Contributing Inlets	Center	Q <sub>cum</sub>	Street Slope	Pipe Slope	Pipe Size	Pipe Cap (Uniform Flow)	Pipe Velocity
1B-2B	#3	12.0	12.0	5.0%	5.0%	18"	24.0	16.0 fps
2B-3B	#4	11.0						
	#5	7.9	30.9	4.0%	4.0%	24"	46.0	15.0 fps
	#6	9.1	40.0	4.0%	2.5%	30"	65.0	14.0 fps
	#7	54.2						
	#8	5.6	99.8	3.0%	3.0%	36"	115.0	17.0 fps
	#9	12.8	112.6	5.0%	2.5%	42"	160.0	18.0 fps
	#10	12.0	124.6	2.5%	2.5%	42"	160.0	18.0 fps
Outfall Pipe								
9B-Outfall	Basin A + Basin B	354.2	354.2					
	#11	10.0±	364.2		1.0%	72"	400.0	16.0 fps

PRELIMINARY

Greiner Engineering  
Greiner Engineering Sciences, Inc.  
Denver, Colorado  
Albuquerque, N.M.

Design *Ket*  
Drawn *sc*  
Check *Ket*  
Scale 1" = 100'  
JUL 23 1986

HIGH CHAPARRAL SUBD.  
BASIN "A" & "B"  
DRAINAGE PLAN

Date APRIL, 1986  
Job No. 5178806  
Sheet 2 of 3

SEE ALTERNATE ANALYSIS #2 FOR DITCH CROSS SECTION

SEE ALTERNATE ANALYSIS #4 FOR OUTFALL ALTERNATIVES  
Q PIPE = 364.2 CFS