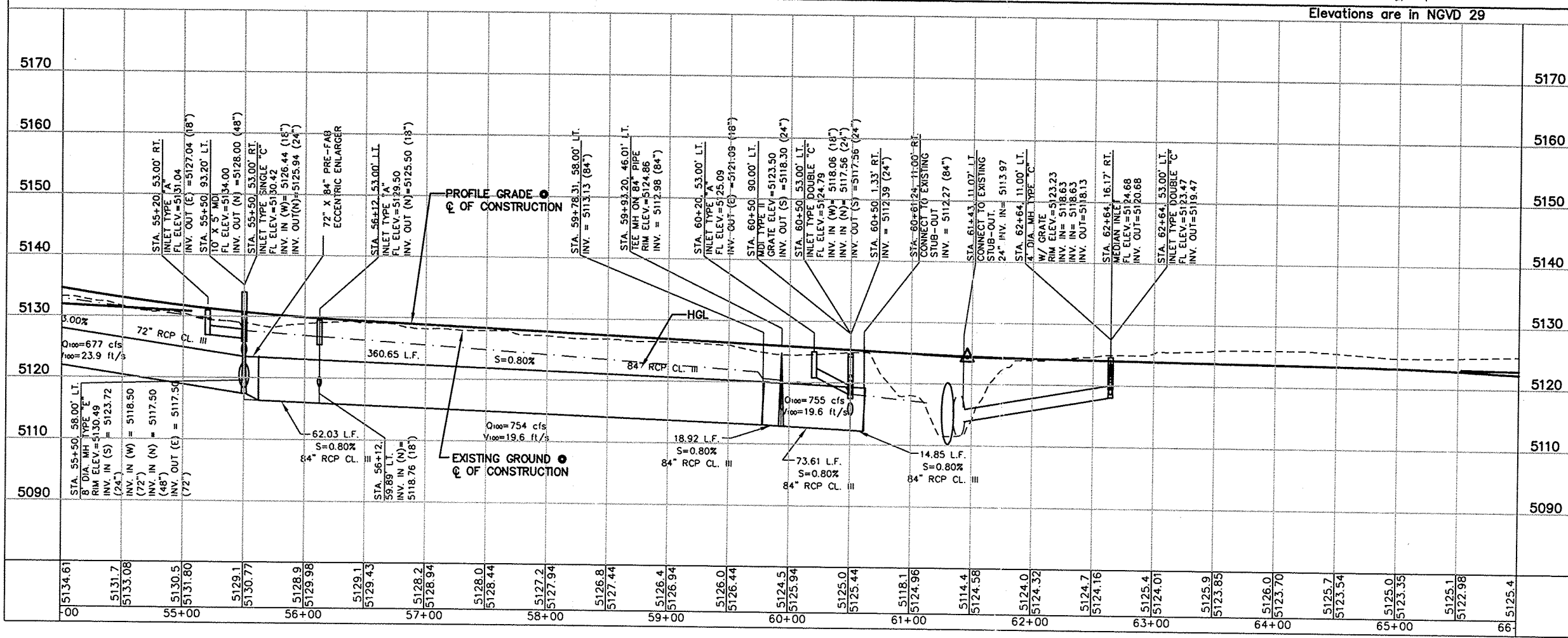
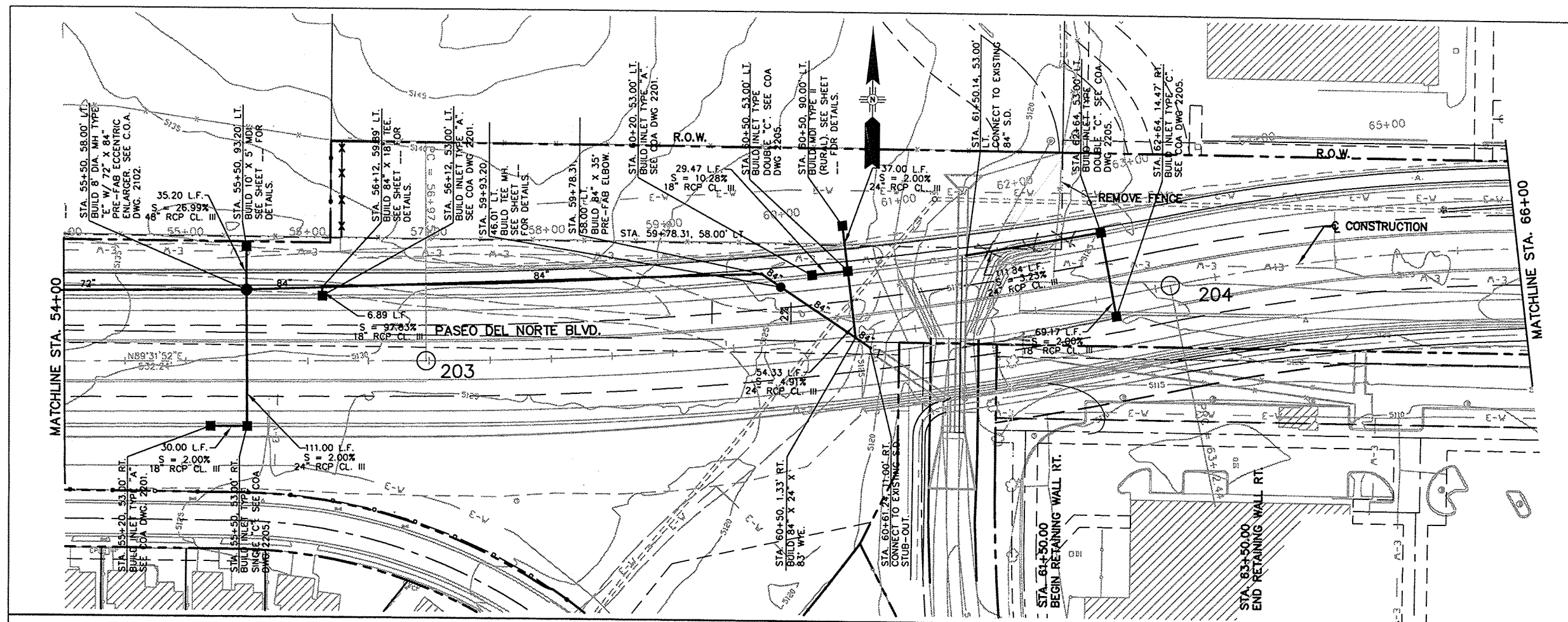


GENERAL NOTES:

1. LINE LENGTHS ARE COMPUTED FROM C TO C OF STRUCTURE ALONG THE HORIZONTAL.
2. SLOPES ARE COMPUTED C TO C
3. INLET FLOWLINE ELEVATIONS ARE AT NORMAL CURB FLOWLINE.

[illegible]

trunk

SUMMARY OF HYDRAULIC CALCULATIONS																							BY:	JBUCKMAN				
CLOSED CONDUIT																							DATE:	10/28/2004				
																							SHEET:					
PROJECT:	PDN	LINE: Trunk W of Piedras Marcadas Arroyo																										
100-year																												
1		2	3	4	5	6	7	8	9				10		11	12	13	14	15	16	17	18	19	20	21	22		
										D.S.	PIPE			Q	JUNCTION		LOSSES									GROUND		
STATION	OFFSET	STRUCT	D	Q	A	V	K	Sf	L	INV.	DROP	S	DELTA	LAT	D	ANGLE	hf	hb	hj	hmh	ht	hmisc	SUM	E.G.	hv	H.G.	ELEV	REMARKS
	FT		IN	CFS	FT^2	FT/S		FT/FT	FT		FT	FT/FT	DEG	CFS			FT	FT	FT	FT	FT	FT	FT					
			84																							5115.58	STARTING HGL	
61+13	87	outlet								5108.58								0.00					0.00	5121.64	6.06	5115.58	5117.58	
			84	760	38.48	19.75	6388.8	0.0142	26.3	5108.58		0.0335					0.37					0.37	5122.01	6.06	5115.95			
61+17	61	bend								5109.46	0		35	0				0.76	0.00	0.30	0.00		1.06	5123.07	6.06	5117.01	5125.39	
			84	760	38.48	19.75	6388.8	0.0142	89.9	5109.46		0.0326					1.27					1.27	5124.34	6.06	5118.28			
60+50	1	wye								5112.39	0			5	24	40		0.00	0.15	0.00	0.00		0.15	5125.37	5.98	5119.39	5125.73	
			84	755	38.48	19.62	6388.8	0.0140	93.1	5112.39		0.0079					1.30					1.30	5126.67	5.98	5120.69			
59+78	-58	mh/bend								5113.13	0		35	0				0.75	0.00	0.30	0.00		1.04	5127.71	5.98	5121.73	5129.92	
			84	755	38.48	19.62	6388.8	0.0140	366	5113.13		0.0079					5.11					5.11	5132.82	5.98	5126.85			
56+12	-60	tee								5116.01	0			1	18	90		0.00	0.03	0.00	0.00		0.03	5132.84	5.96	5126.88	5129.92	
			84	754	38.48	19.59	6388.8	0.0139	62	5116.01		0.0079					0.86					0.86	5133.70	5.96	5127.74			
55+50	-58	mh								5116.50	1			77	48	90		0.00	1.34	0.00	0.00		1.34	5137.98	8.90	5129.08	5130.63	
			72	677	28.27	23.94	4235.4	0.0255	260	5117.50		0.0301					6.64					6.64	5144.62	8.90	5135.72			
52+90	-58	mh								5125.32	0		2	2	24	90		0.26	0.11	0.00	0.00		0.37	5144.94	8.85	5136.09	5139.01	
			72	675	28.27	23.87	4235.4	0.0254	190	5125.32		0.0489					4.83					4.83	5149.77	8.85	5140.92			
51+00	-58	mh								5134.62	0		4	7	24	90		0.37	0.37	0.00	0.00		0.73	5150.31	8.67	5141.65	5148.22	
			72	668	28.27	32.86	4235.4	0.0249	262	5134.62		0.0621					6.52					6.52	5171.27	16.77	5154.50			
48+38	-58	mh								5150.90	0		5	0				0.78	0.00	0.83	0.00		1.62	5172.75	16.63	5156.12	5165.38	
			72	668	28.27	32.73	4235.4	0.0249	305	5150.90		0.0616					7.59					7.59	5189.93	16.63	5173.30			
45+33	-58	mh								5169.70	0			2	24	90		0.00	0.10	0.00	0.00		0.10	5192.50	19.09	5173.40	5182.72	
			72	666	28.27	35.06	4235.4	0.0247	83.4	5169.70		0.0708					2.06					2.06	5198.29	19.09	5179.20			
44+50	-66	mh/wye								5175.60	0			19	48	45		0.00	0.95	0.00	0.00		0.95	5193.19	13.04	5180.15	5187.84	
			72	647	28.27	28.98	4235.4	0.0233	66	5175.60		0.0483					1.54					1.54	5195.43	13.04	5182.39			
43+84	-66	end								5178.79	0			0				0.00	0.00	0.00	0.00		0.00	5182.39	0.00	5182.39	5191.79	
			72	647	28.27																						DUMMY U.S. DATA	

F H W A REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO		19		

FINAL SURVEY NOTE BOOK NO.	DATE	BY	DATE	BY

ORIGINAL SURVEY NOTE BOOK NO.	DATE	BY	DATE	BY

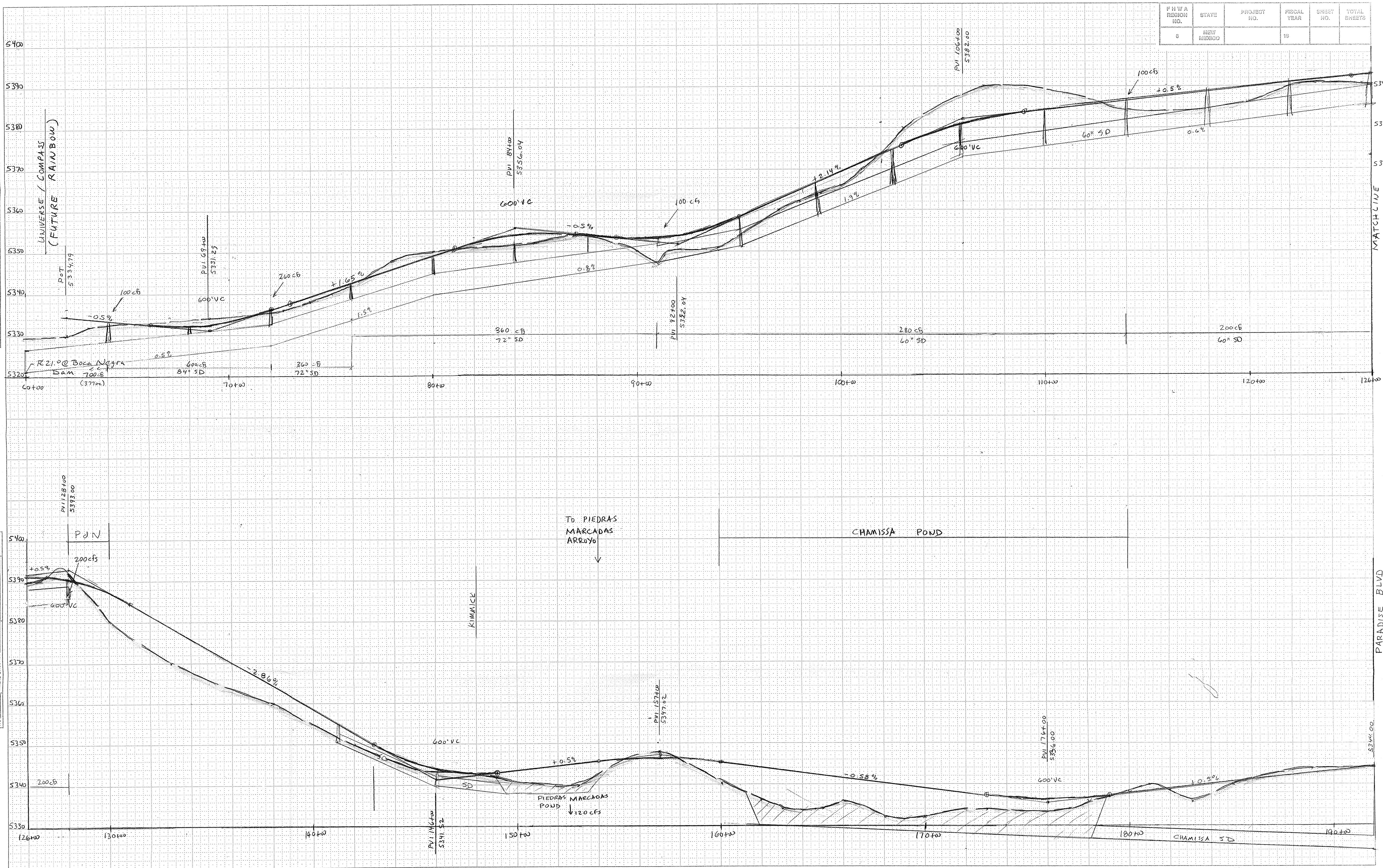


PLATE 1

CONCEPTUAL UNSER BLVD. PROFILE
PARADISE BLVD. TO RAINBOW BLVD.