HYDROLOGY L16/D2 TWO PLANS

L 16-D2

2 PLAN

CITY OF ALBUQUERQUE
Albuquerque, New Mexico

City Hall
P.O. Box 1293
243-8661 Ext. 246-247

From: FRANK J. BAILEY
Asst. City Engineer–Design
Date: 1 Nov 1968

☐ Note & See Me
☐ Note & Correct as Indicated
☐ Handle as Indicated
☐ For Your Information

Bob

Check grades leave grade ~~that~~ continuous To avoid (on plan) ~~provide lines as much as possible~~ - left the same

Show all Top of curbs on Plan from Field Notes on Returns.

What is existing slope N+S of Santa Monica & size

Make 0+00 the beginning of New construction & 0-14

The existing M.H if necessary also add contour Also Co call Cele Co #— & contact Burigo Telephone Cables. These are both under ~~stamp~~ ONLY here.

Also note something about the dulet line being parallel to the top of the storm sewer line.

Also in Title Date the preliminary drawing box.

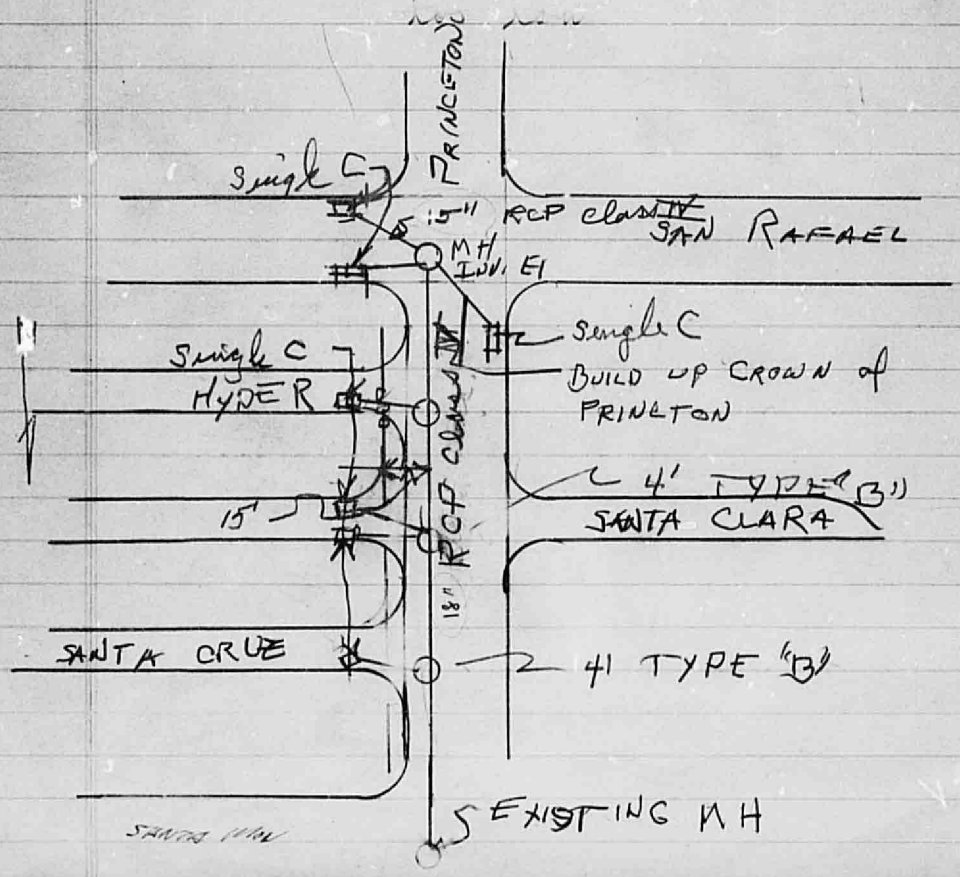
Storm sewer approx 990
S.S MH to MH-995 ft.

Find out depth of Sanitary sewer
CR invert of storm sewer at Santa Monica
continue to @ slope of .022 with
Rim San Rafael 5207.44
Rim Santa Monica 5187.87
19.57

995) 19.57
try .020 grade

980
.02
19.60

Inv elev at Santa Monica
— 5180.44
19.60
5206.04



Project Storm

Entering at San Rafael 84 cfs
assume 10 cfs from south 10
~~from San Rafael~~ → 74 cfs
assume opposing flow → from San Rafael

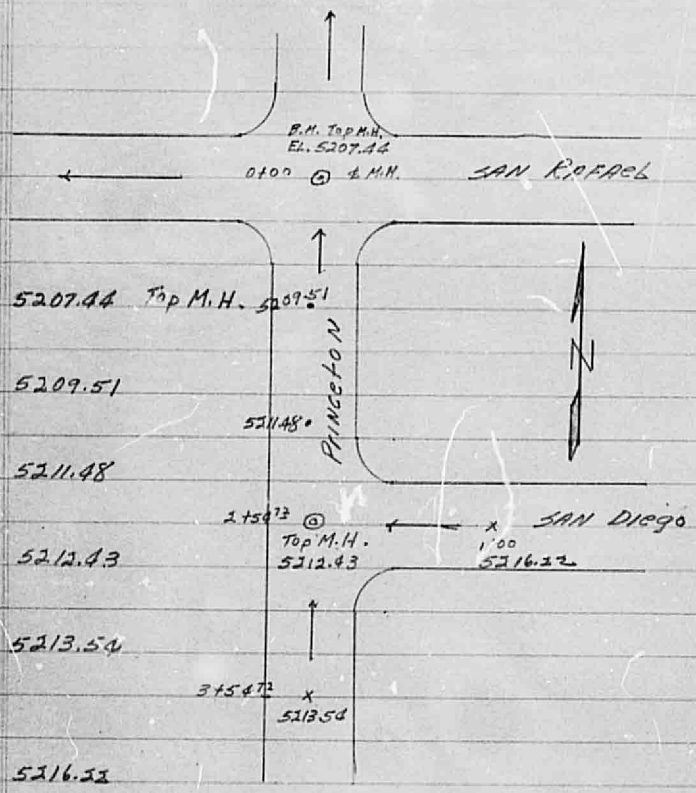
from San Rafael
200' E. of Princeton slope = 4.56%
100' W of " " = 3.00%
north on Princeton
" " " at flow line
10.23 East side slope = -1.93%
6.55
140' 3.68
.0193 put in Type C
on Princeton at San Rafael
return East side
4 Type C @ 5 = 20
slope of 1.55% 18" RCP will only carry = 14
Princeton will carry 60 cfs
37 + cfs

therefore flow will have to divide if full storm runoff concentrates at Princeton and San Rafael 74
14
60

1/2 or 30 cfs. will probably go West on San Rafael and 30 will probably continue down (North) on Princeton. Putting a 4th inlet at the intersection of Princeton & San Rafael should help considerably to alleviate the water wash up on the lady's corner. (Note minus slope from Hyde to San Rafael on East flow line of Princeton)

Profile ℄ of Princeton ℄ San Rafael North to Intersection of Princeton ℄ Santa Monica Ave.

	+	H.I.	−	EL.	
T.B.M. Top Curb	3.58	5212.61		5209.03	
0+00			5.17	5207.44	
1+00			6.83	5205.78	
2+00			8.68	5203.93	
Top M.H. 2+45.6	3.09	5206.13	9.57	5203.04	Intersection Princeton ℄ Hyler
3+00			4.05	5202.08	
4+00			5.72	5200.41	
Top M.H. 4+95.25	4.52	5203.43	7.22	5198.91	Intersection Princeton ℄ Santa Clara
5+00			4.54	5198.89	
6+00			5.42	5198.01	
7+00			7.17	5196.26	
Top M.H. 7+45.1	2.02	5197.38	8.07	5195.36	Intersection Princeton ℄ Santa Cruz Ave
8+00			3.52	5193.86	
9+00			6.77	5190.61	
Top M.H. 9+95.0	3.50	5191.37	9.51	5187.87	Intersection Princeton ℄ Santa Monica Ave
10+00			3.68	5187.69	
11+00			6.45	5184.92	

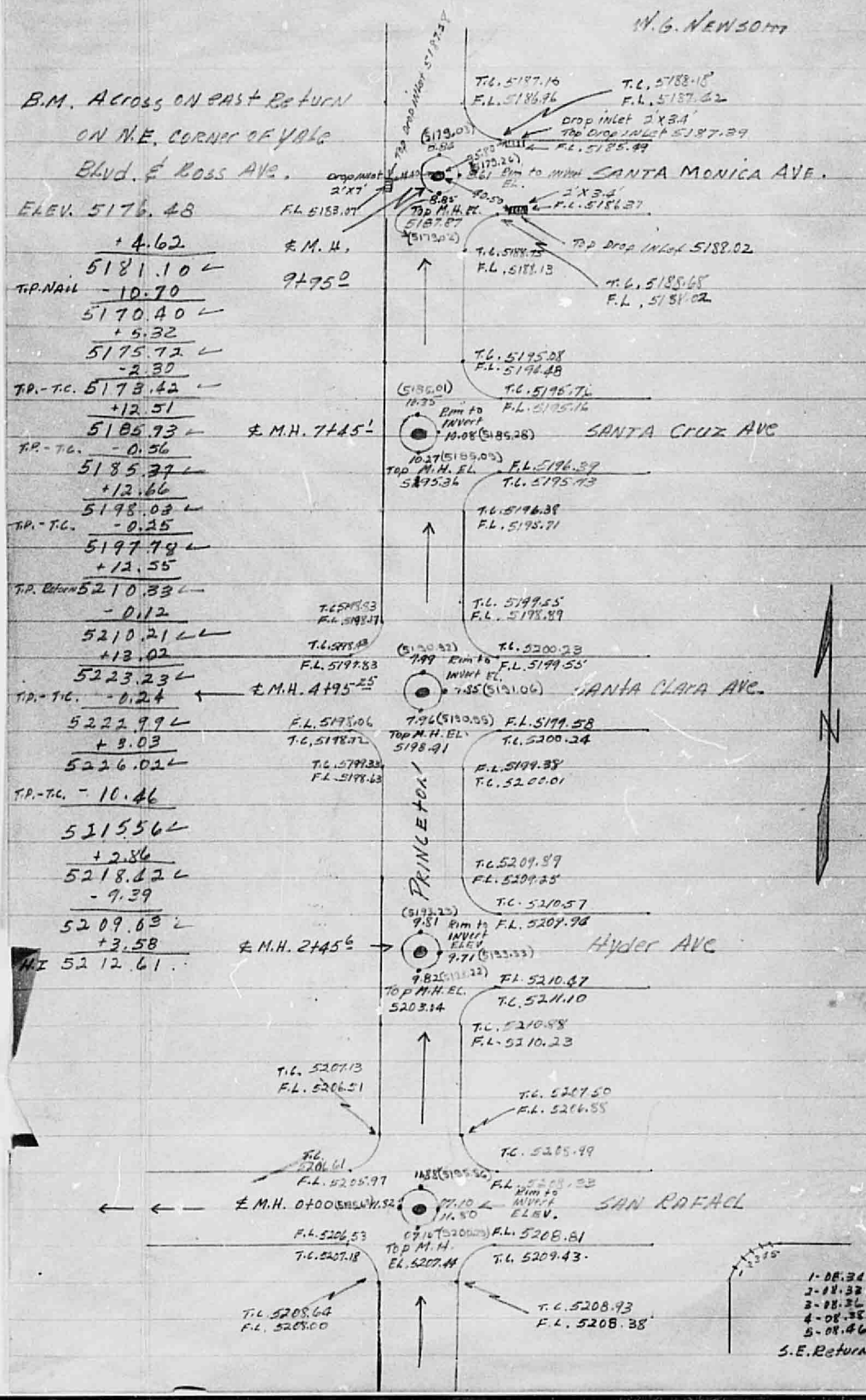


0+00	5207.44	Top M.H. 5209.51
1+00	5209.51	
2+00	5211.48	
2+54 72	5212.43	
3+54 72	5213.54	
100' East	5216.22	

	B.M. Top M.H.	+	HI	-	El.
		10.02	5217.46		5207.44
1+00				7.95	09.51
2+00				5.98	11.48
2+54 72				5.03	12.43
3+54 72				3.92	13.54
East on 1+00				1.24	16.22

Victor Add. # 1

Oct. 7, 1968
Clear & Warm
W. G. Newsom

B.M. Across on East Return
on N.E. Corner of Yale
Blvd. & Ross Ave.
Elev. 5176.48

	+ 4.62
	5181.10
T.P. Nail	- 10.70
	5170.40
	+ 5.32
	5175.72
	- 2.30
T.P. - T.C.	5173.42
	+ 12.51
	5185.93
T.P. - T.C.	- 0.56
	5185.37
	+ 12.66
	5198.03
T.P. - T.C.	- 0.25
	5197.78
	+ 12.55
T.P. Return	5210.33
	- 0.12
	5210.21
	+ 13.02
	5223.23
T.P. - T.C.	- 0.24
	5222.99
	+ 3.03
	5226.02
T.P. - T.C.	- 10.46
	5215.56
	+ 2.86
	5218.42
	- 9.39
	5209.03
	+ 3.58
HI	5212.61