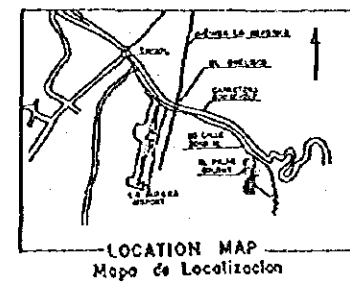
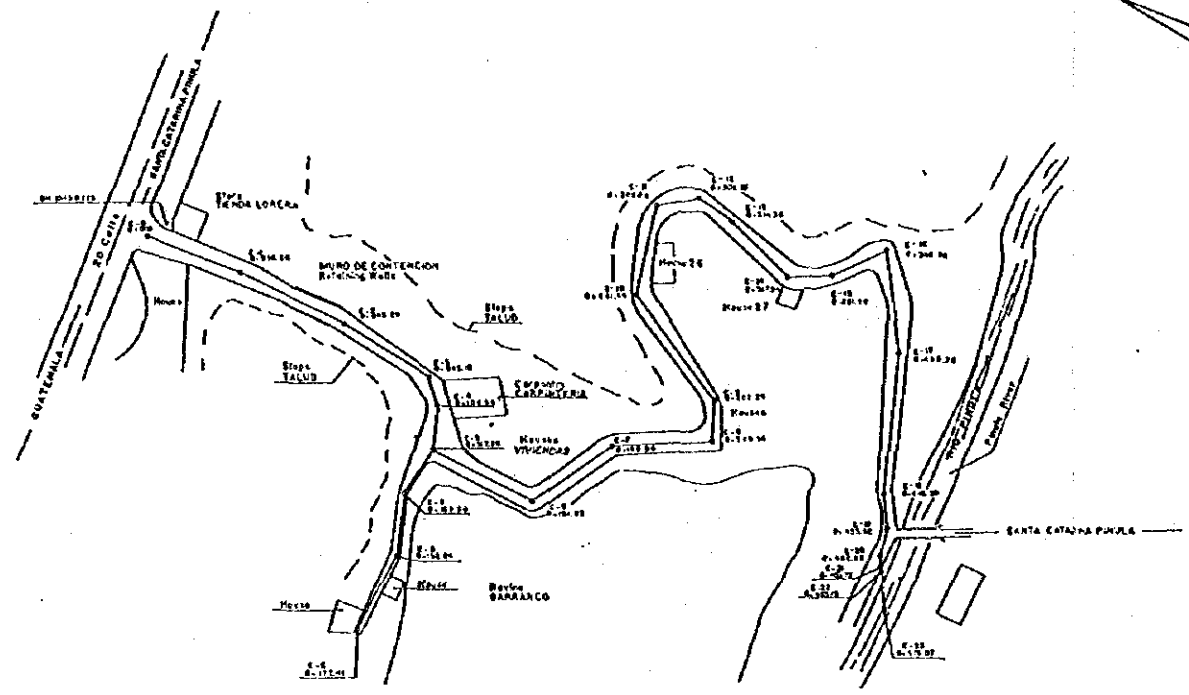


PLAN
NOTES

1. ALL DIMENSIONS IN METERS UNLESS OTHERWISE SPECIFIED.
2. THE PROPOSED PIPE LINE IS SHOWN BY A DASHED LINE.
3. THE EXISTING PIPE LINE IS SHOWN BY A SOLID LINE.
4. THE PROPOSED MANHOLE IS SHOWN BY A CIRCLE WITH A CROSS.
5. THE EXISTING MANHOLE IS SHOWN BY A CIRCLE WITH A DOT.
6. THE PROPOSED STRUCTURE IS SHOWN BY A RECTANGLE WITH A DASHED LINE.
7. THE EXISTING STRUCTURE IS SHOWN BY A RECTANGLE WITH A SOLID LINE.
8. THE PROPOSED ROAD IS SHOWN BY A DASHED LINE WITH DOTTED BOUNDARIES.
9. THE EXISTING ROAD IS SHOWN BY A SOLID LINE WITH DOTTED BOUNDARIES.
10. THE PROPOSED FENCE IS SHOWN BY A DASHED LINE WITH SHORT DASHES.
11. THE EXISTING FENCE IS SHOWN BY A SOLID LINE WITH SHORT DASHES.
12. THE PROPOSED UTILITY IS SHOWN BY A DASHED LINE WITH LONG DASHES.
13. THE EXISTING UTILITY IS SHOWN BY A SOLID LINE WITH LONG DASHES.
14. THE PROPOSED ELEVATION IS SHOWN BY A NUMBER WITH A DASH.
15. THE EXISTING ELEVATION IS SHOWN BY A NUMBER WITH A DOT.
16. THE PROPOSED DISTANCE IS SHOWN BY A NUMBER WITH A DASH.
17. THE EXISTING DISTANCE IS SHOWN BY A NUMBER WITH A DOT.
18. THE PROPOSED AREA IS SHOWN BY A NUMBER WITH A DASH.
19. THE EXISTING AREA IS SHOWN BY A NUMBER WITH A DOT.
20. THE PROPOSED VOLUME IS SHOWN BY A NUMBER WITH A DASH.
21. THE EXISTING VOLUME IS SHOWN BY A NUMBER WITH A DOT.
22. THE PROPOSED PERCENTAGE IS SHOWN BY A NUMBER WITH A DASH AND A PERCENT SIGN.
23. THE EXISTING PERCENTAGE IS SHOWN BY A NUMBER WITH A DOT AND A PERCENT SIGN.
24. THE PROPOSED RATIO IS SHOWN BY A NUMBER WITH A DASH AND A SLASH.
25. THE EXISTING RATIO IS SHOWN BY A NUMBER WITH A DOT AND A SLASH.



EST.	P.O.	BUMBO	DIR.
1	A	N 80° 10' 00" W	13.81
2	B	S 24° 28' 00" W	18.84
3	C	N 85° 41' 30" W	23.87

EST.	P.O.	BUMBO	DIR.
0	1	S 01° 18' 40" E	30.00
1	2	S 02° 18' 00" W	35.29
2	3	S 03° 31' 00" W	39.84
3	4	S 05° 37' 00" W	44.41
4	5	S 07° 06' 31" W	48.93
5	6	S 08° 54' 55" W	53.54
6	7	S 10° 50' 00" E	58.07
7	8	S 12° 17' 55" E	62.55
8	9	N 10° 35' 00" E	67.74
9	10	N 08° 10' 18" E	72.15
10	11	N 05° 30' 00" E	76.60
11	12	S 03° 40' 00" E	81.01
12	13	S 01° 18' 00" E	85.43
13	14	S 01° 24' 00" W	89.54
14	15	S 02° 31' 00" E	93.34
15	16	S 03° 14' 00" E	97.24
16	17	S 04° 14' 00" W	101.04
17	18	S 05° 32' 00" W	104.89
18	19	S 06° 57' 00" W	108.25
19	20	S 08° 33' 00" W	111.20
20	21	S 10° 30' 00" W	113.80
21	22	S 12° 30' 00" W	116.03
22	23	S 14° 30' 00" W	117.82

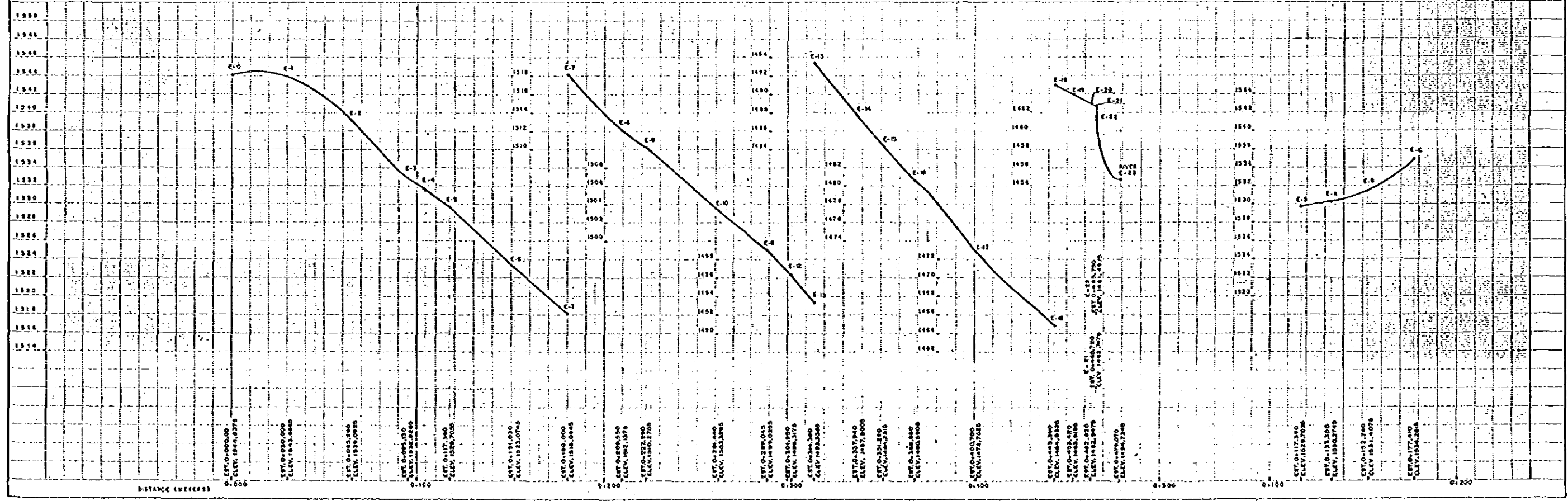
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WASTEWATER MANAGEMENT FOR THE GUATEMALA METROPOLITAN AREA
 Plan Maestro de Saneamiento del Area Metropolitana
 LONGITUDINAL SURVEY FOR PIPE LINE ROUTE OF SANITATION SERVICE AREA
 Perfil Longitudinal de las Cacerías de Alcantarillado para el Servicio de Areas de Saneamiento EL PILAR COLONY Colonia El Pilar

S=1/2,000(H)
 S=1/400 (V)

PROFILE
NOTES

1. ALL DIMENSIONS IN METERS UNLESS OTHERWISE SPECIFIED.
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13. THE EXISTING UTILITY IS SHOWN BY A SOLID LINE WITH LONG DASHES.
14. THE PROPOSED ELEVATION IS SHOWN BY A NUMBER WITH A DASH.
15. THE EXISTING ELEVATION IS SHOWN BY A NUMBER WITH A DOT.
16. THE PROPOSED DISTANCE IS SHOWN BY A NUMBER WITH A DASH.
17. THE EXISTING DISTANCE IS SHOWN BY A NUMBER WITH A DOT.
18. THE PROPOSED AREA IS SHOWN BY A NUMBER WITH A DASH.
19. THE EXISTING AREA IS SHOWN BY A NUMBER WITH A DOT.
20. THE PROPOSED VOLUME IS SHOWN BY A NUMBER WITH A DASH.
21. THE EXISTING VOLUME IS SHOWN BY A NUMBER WITH A DOT.
22. THE PROPOSED PERCENTAGE IS SHOWN BY A NUMBER WITH A DASH AND A PERCENT SIGN.
23. THE EXISTING PERCENTAGE IS SHOWN BY A NUMBER WITH A DOT AND A PERCENT SIGN.
24. THE PROPOSED RATIO IS SHOWN BY A NUMBER WITH A DASH AND A SLASH.
25. THE EXISTING RATIO IS SHOWN BY A NUMBER WITH A DOT AND A SLASH.



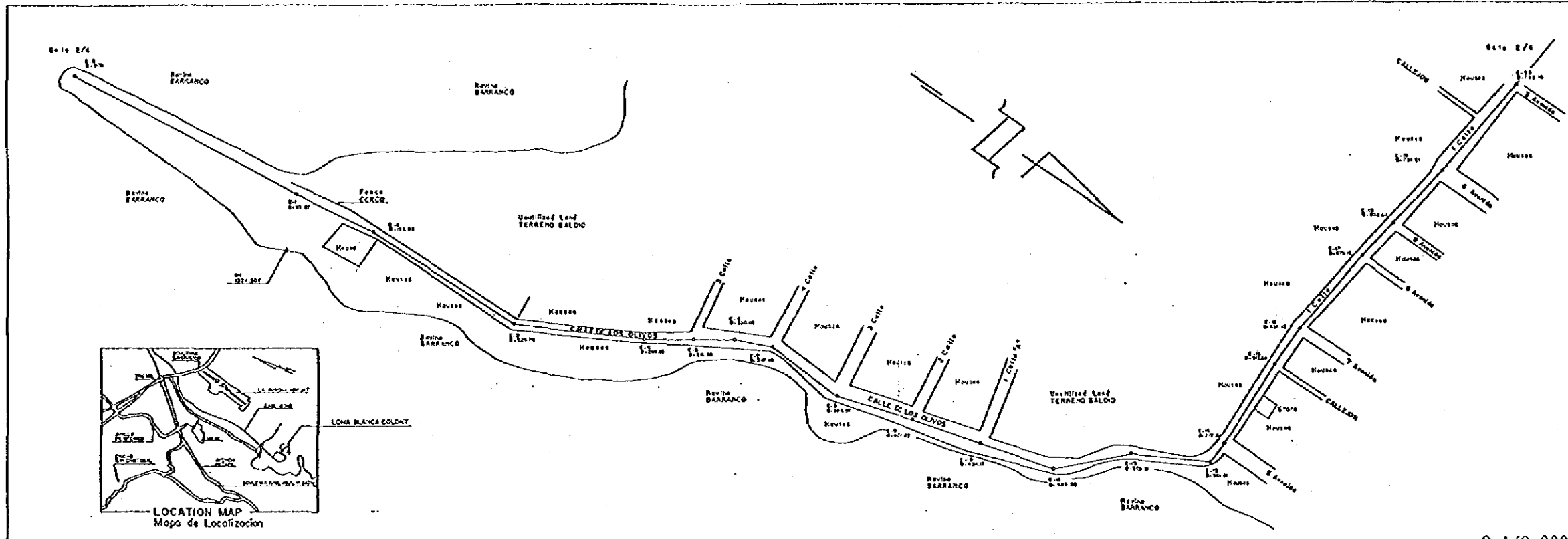
ST.	P.O.	B.W.M. 90	DIST.
0	1	N 66° 33' 42" W	118.87
1	2	S 00° 07' 49" W	28.95
2	3	W 01° 04' 18" W	28.95
3	4	W 87° 40' 00" W	28.95
4	5	W 83° 44' 00" W	28.95
5	6	W 83° 44' 00" W	18.05
6	7	W 83° 44' 00" W	37.07
7	8	W 12° 11' 00" W	38.46
8	9	W 15° 07' 42" W	32.58
9	10	N 15° 06' 33" W	32.83
10	11	N 45° 07' 36" W	38.51
11	12	N 26° 42' 32" W	38.50
12	13	N 57° 30' 12" W	10.77
13	14	S 84° 03' 53" W	43.66
14	15	N 80° 34' 42" W	20.06
15	16	N 82° 14' 48" W	43.00
16	17	N 81° 34' 00" W	20.82
17	18	N 81° 30' 12" W	32.97
18	19	N 83° 13' 40" W	50.87

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WASTEWATER MANAGEMENT FOR THE
GUATEMALA METROPOLITAN AREA
Plan Maestro de Saneamiento del
Área Metropolitana
LONGITUDINAL SURVEY FOR PIPE LINE
ROUTE OF SANITATION SERVICE AREA
Perfil Longitudinal de las Colectoras de Alcantarillado
para el Servicio de Areas de Saneamiento
LOMA BLANCA COLONY
Calle Loma Blanca

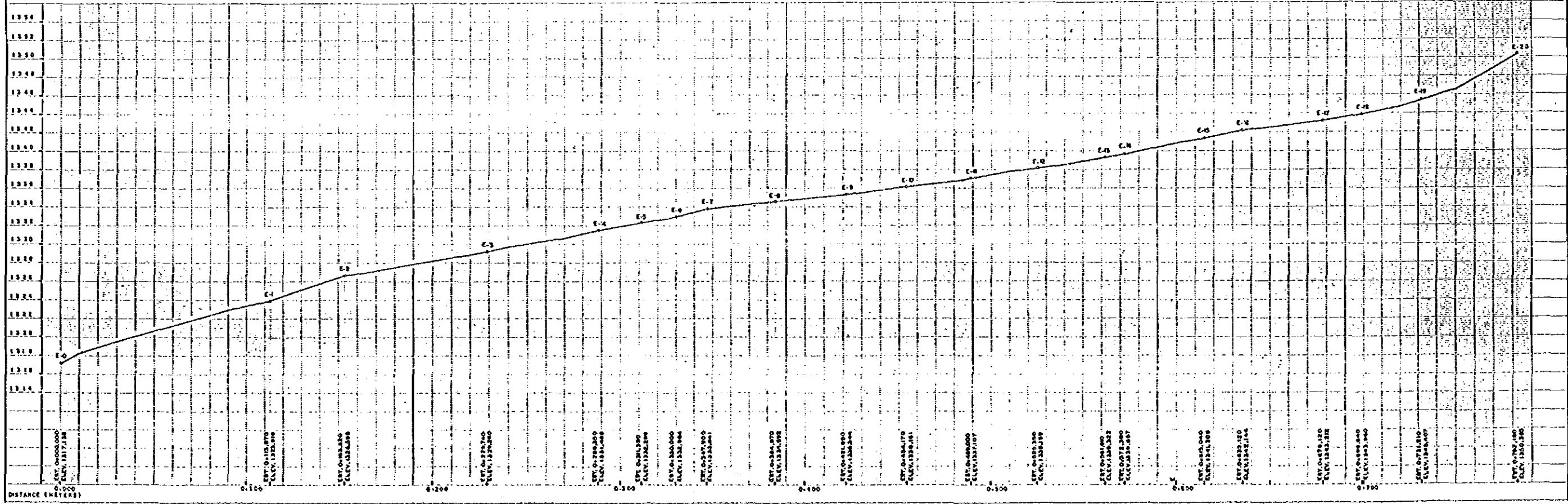
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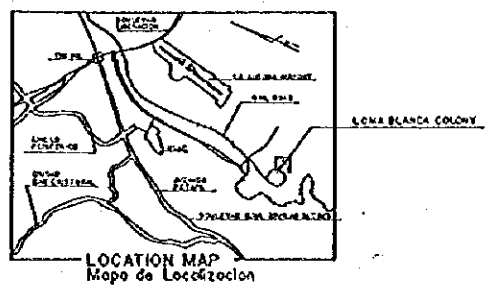
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S=1/400 (V)



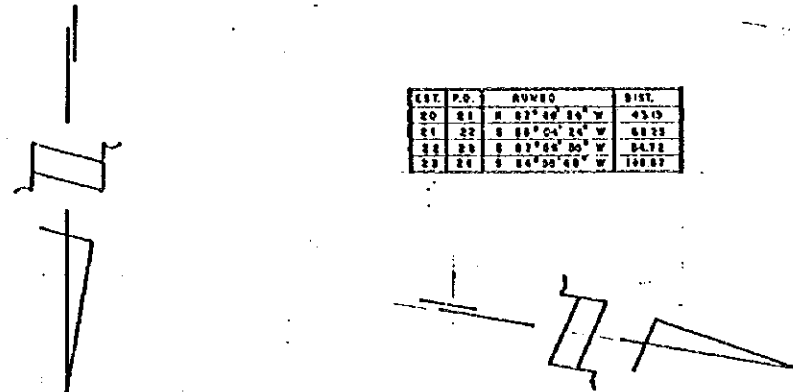
PLAN
NOTE BOOK

PROFILE
NOTE BOOK

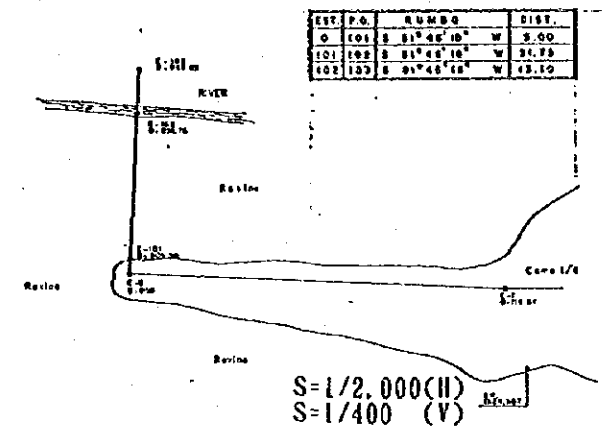




EST.	P.O.	NUMBO	DIST.
20	21	N 82° 40' 16" W	43.10
21	22	S 86° 04' 24" W	68.25
22	23	S 87° 50' 30" W	54.72
23	24	S 84° 50' 40" W	158.87



EST.	P.O.	NUMBO	DIST.
0	101	S 81° 48' 16" W	2.00
101	102	S 81° 48' 16" W	24.73
102	103	S 81° 48' 16" W	42.10



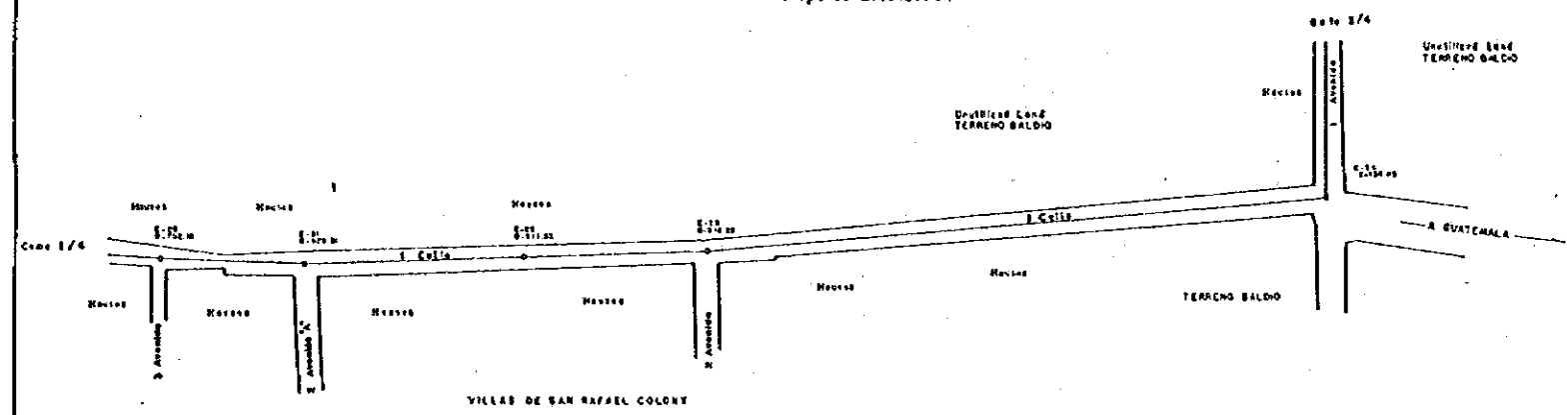
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WASTEWATER MANAGEMENT FOR THE
GUATEMALA METROPOLITAN AREA
Plan Maestro de Saneamiento del
Área Metropolitana
LONGITUDINAL SURVEY FOR PIPE LINE
ROUTE OF SANITATION SERVICE AREA
Partid Longitudinal de los Colectores de Alcantarillado
para el Saneamiento de Área de Saneamiento
LOMA BLANCA COLONY
Colonia Loma Blanca

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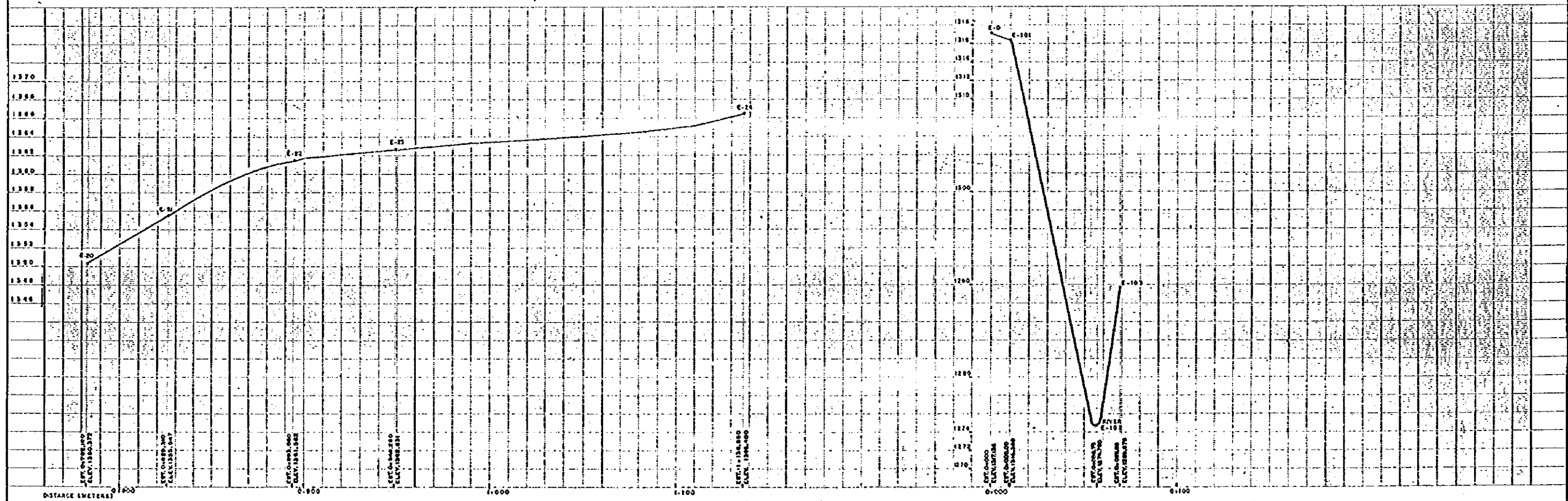
PLAN

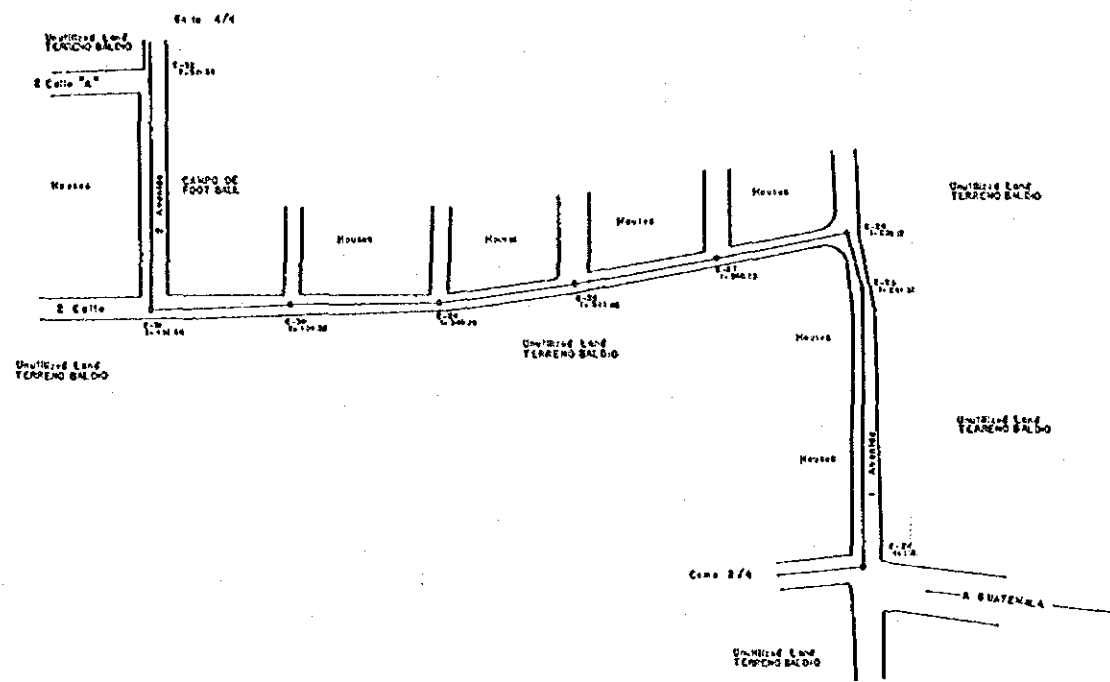
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Approved	



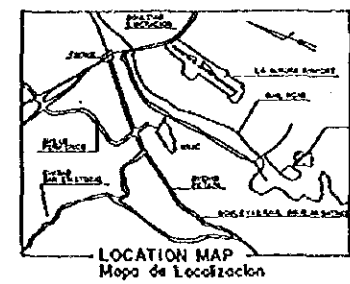
PROFILE

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Author	
Checked	
Approved	





EST.	P.O.	RUMBO	DIST.
24	25	S 00° 23' 54" E	24.67
25	26	S 16° 24' 00" E	17.83
26	27	N 76° 59' 00" E	41.00
27	28	N 79° 31' 30" E	43.72
28	29	N 81° 46' 49" E	41.34
29	30	N 83° 06' 55" E	41.08
30	31	N 84° 29' 30" E	45.31
31	32	S 00° 27' 48" E	28.87
32	33	S 00° 49' 24" W	37.01



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WASTEWATER MANAGEMENT FOR THE
GUATEMALA METROPOLITAN AREA
Plan Maestro de Saneamiento del
Area Metropolitana
LONGITUDINAL SURVEY FOR PIPE LINE
ROUTE OF SANITATION SERVICE AREA
Perfil Longitudinal de las Colectoras de Alcantarillado
para el Servicio de Areas de Saneamiento
LOMA BLANCA COLONY
Colonia Loma Blanca

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S=1/2,000(H)
S=1/400 (V)

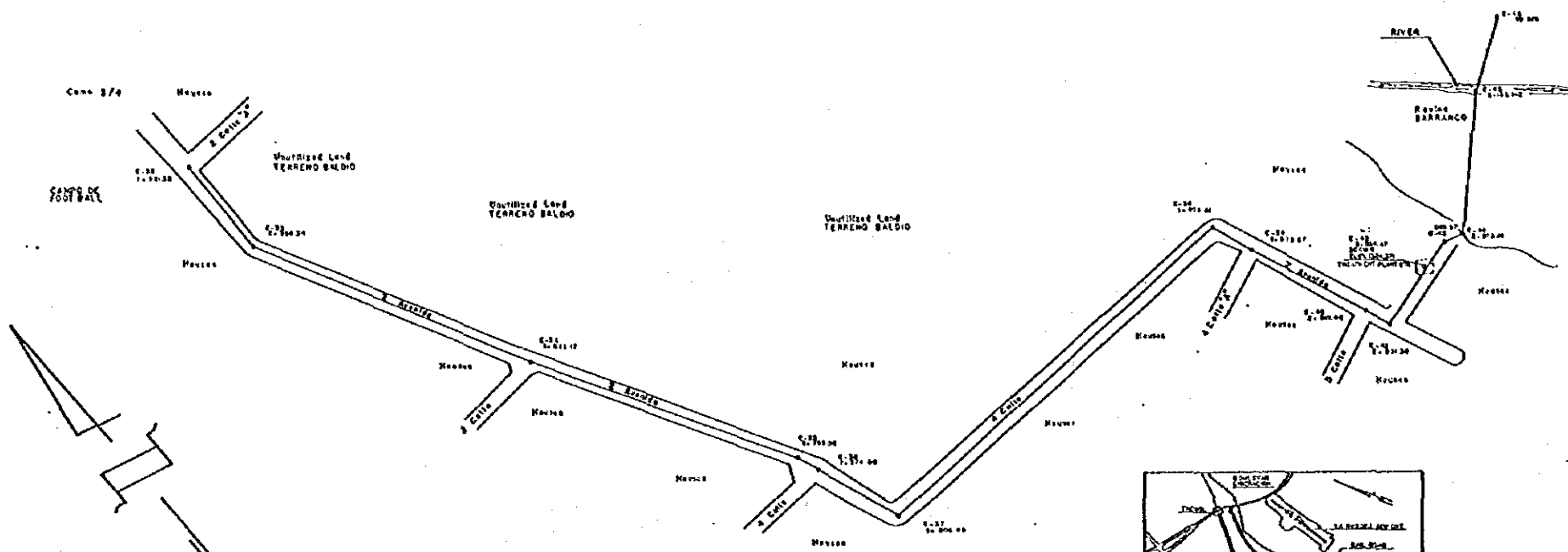


PLAN
NOTA BOOK

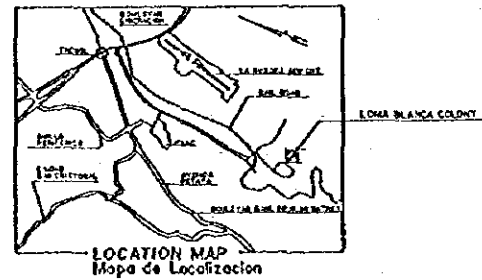
PROFILE
NOTA BOOK

PLAN

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DESIGNER	
CHECKER	
APPROVED	
DATE	



ST. NO.	CH.	BUMBO	DIST.
22	25	S 26° 25' 18" E	108.82
24	27	S 25° 27' 42" E	160.53
25	28	S 22° 45' 22" E	8.70
26	27	S 15° 28' 44" E	32.99
27	28	S 8° 28' 00" E	151.01
28	29	S 18° 21' 00" E	13.74
29	30	S 20° 44' 00" E	48.83
40	41	S 20° 44' 00" E	10.50
41	42	S 71° 23' 00" W	23.17
42	43	N 75° 24' 00" E	24.87
43	44	S 75° 01' 00" E	1.64
44	45	N 45° 32' 30" E	50.53
45	46	N 36° 29' 10" E	278.04



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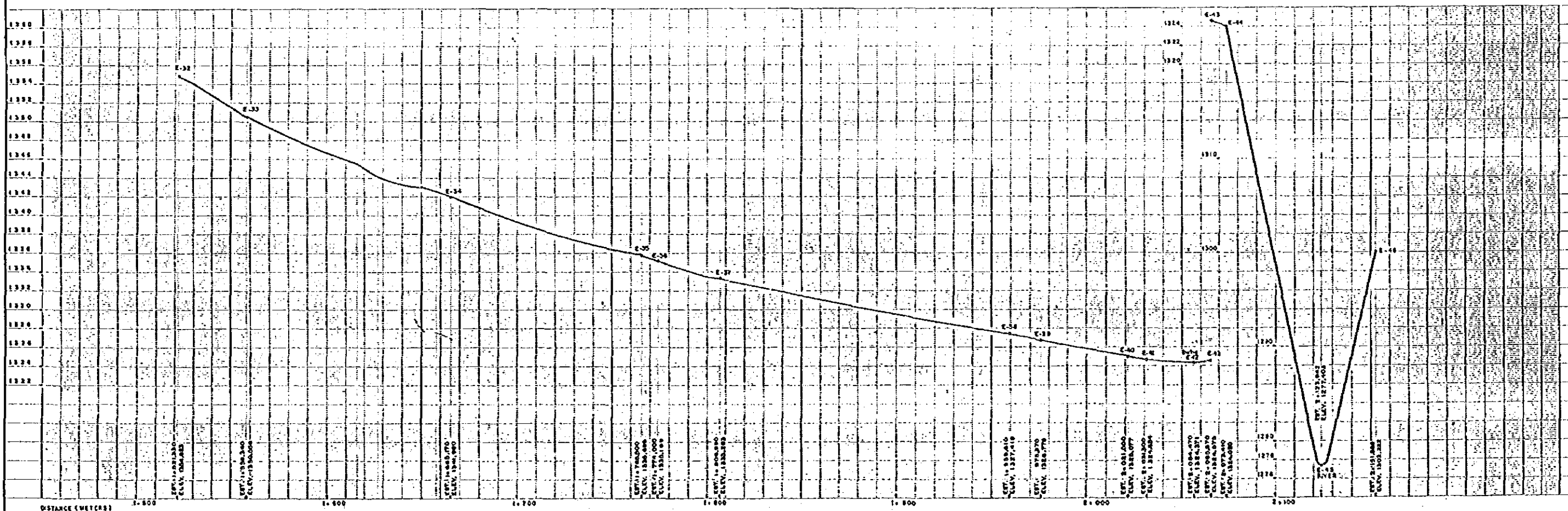
WASTEWATER MANAGEMENT FOR THE GUATEMALA METROPOLITAN AREA
 Pion Maestro de Sansoniente del Area Metropolitana
 LONGITUDINAL SURVEY FOR PIPE LINE ROUTE OF SANITATION SERVICE AREA
 Perfil Longitudinal de las Colectoras de Alcantarillado para el Servicio de Areas de Sansoniente
 LOMA BLANCA COLONY
 Colonia Loma Blanca

4 / 4

S=1/2,000(H)
 S=1/400 (V)

PROFILE

DATE	
SCALE	
PROJECT	
DESIGNER	
CHECKER	
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