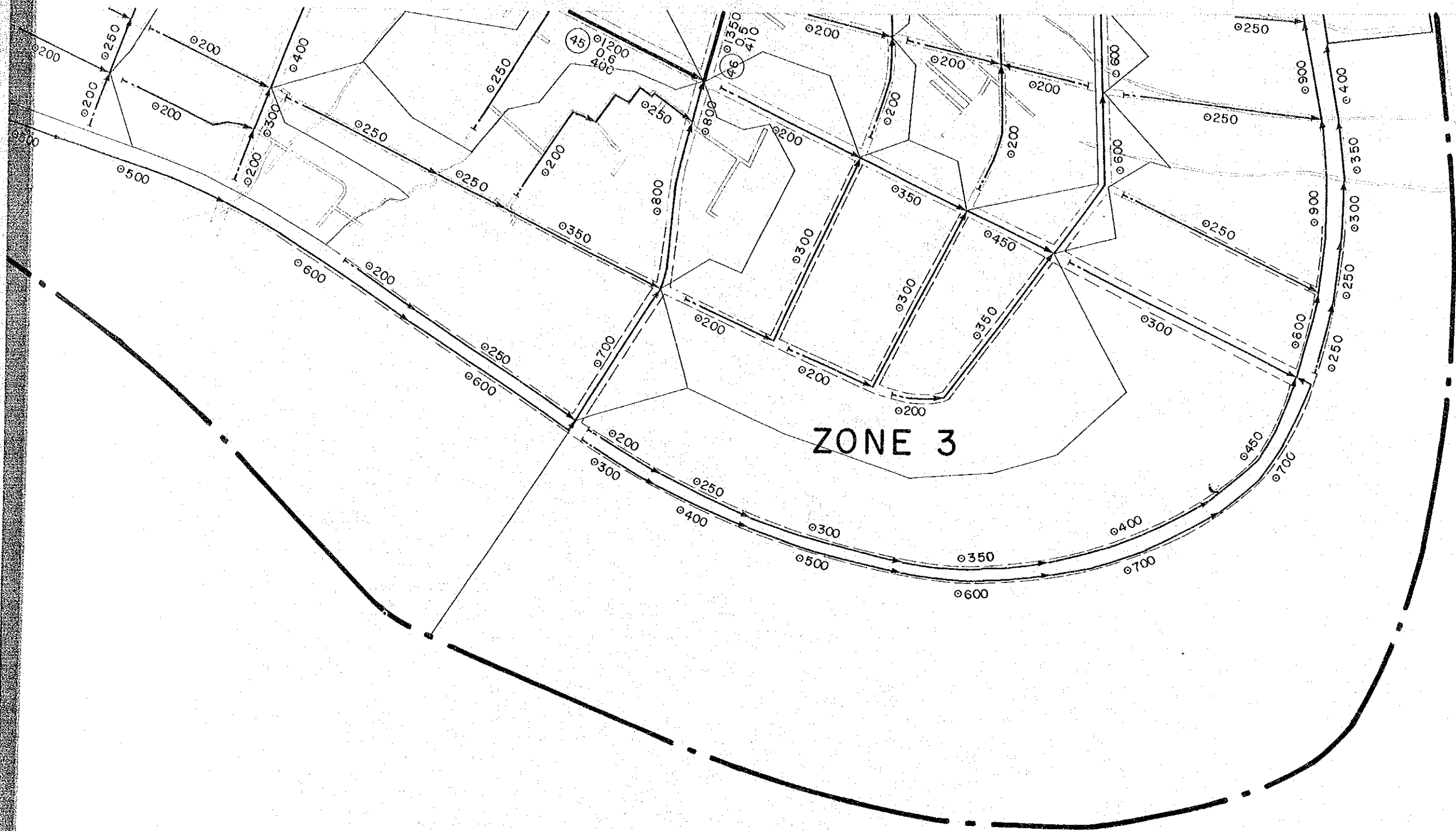


CHAO PHYA RIVER

ZONE 3

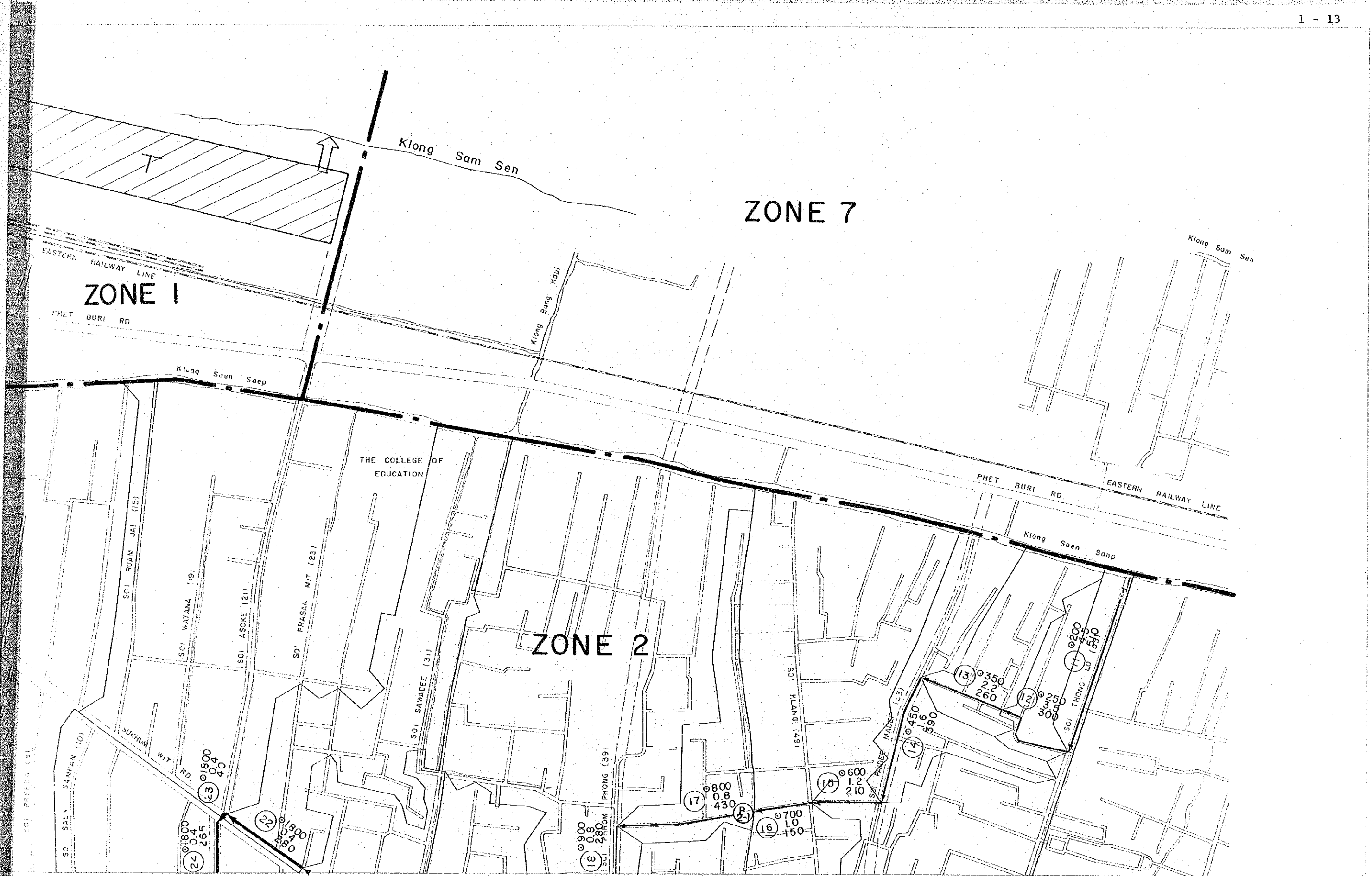


LEGEND

- BOUNDARY OF ZONE
- PROPOSED SEWER
- ▨ TEMPORARY COMBINED SYSTEM AREA
- ⊙ SEWER NO
- ⊙1650 DIAMETER (mm)
- 0.4 SLOPE (‰)
- 570 LENGTH (m)
- ⊙ P PUMPING STATION
- ▨ TREATMENT FACILITIES
- ⇒ EFFLUENT OUTFALL

Index		
1	7	
2	8	
3	9	13
4	10	14
5	11	15
6	12	

SEWERAGE SYSTEM
 MAP No. 12
 (Zone 3)
 SCALE 1:10,000



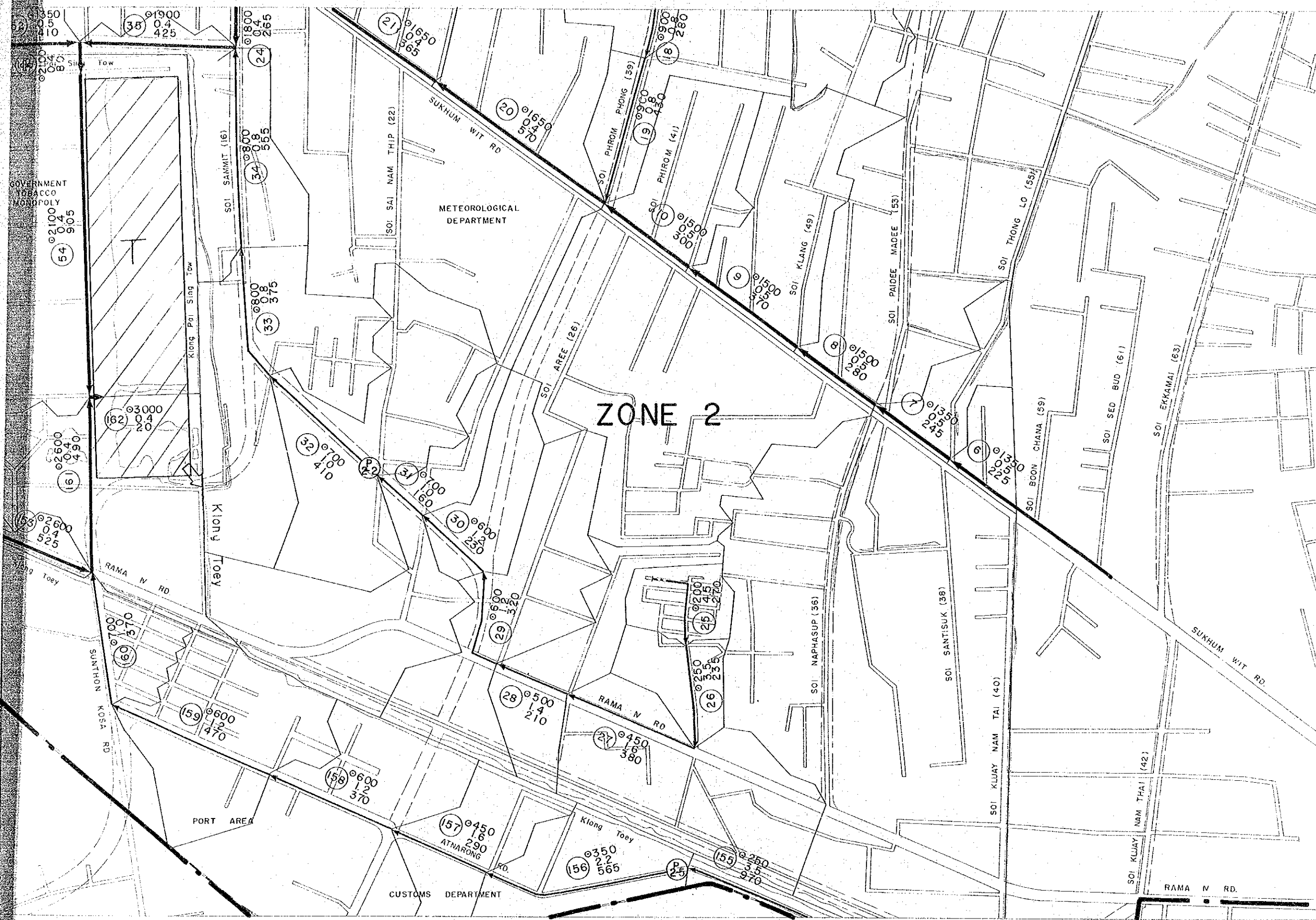
LEGEND

- BOUNDARY OF ZONE
- PROPOSED SEWER
- ▨ TEMPORARY COMBINED SYSTEM AREA
- ⊙ SEWER NO
- ⊙1650 DIAMETER (mm)
- 0.4 SLOPE (‰)
- 570 LENGTH (m)
- ⊙ PUMPING STATION
- ▨ TREATMENT FACILITIES
- ⇒ EFFLUENT OUTFALL

Index

1	7	
2	8	
3	9	13
4	10	14
5	11	15
6	12	

SEWERAGE SYSTEM
MAP No.13
 (Zone 1, 2)
 SCALE 1:10,000



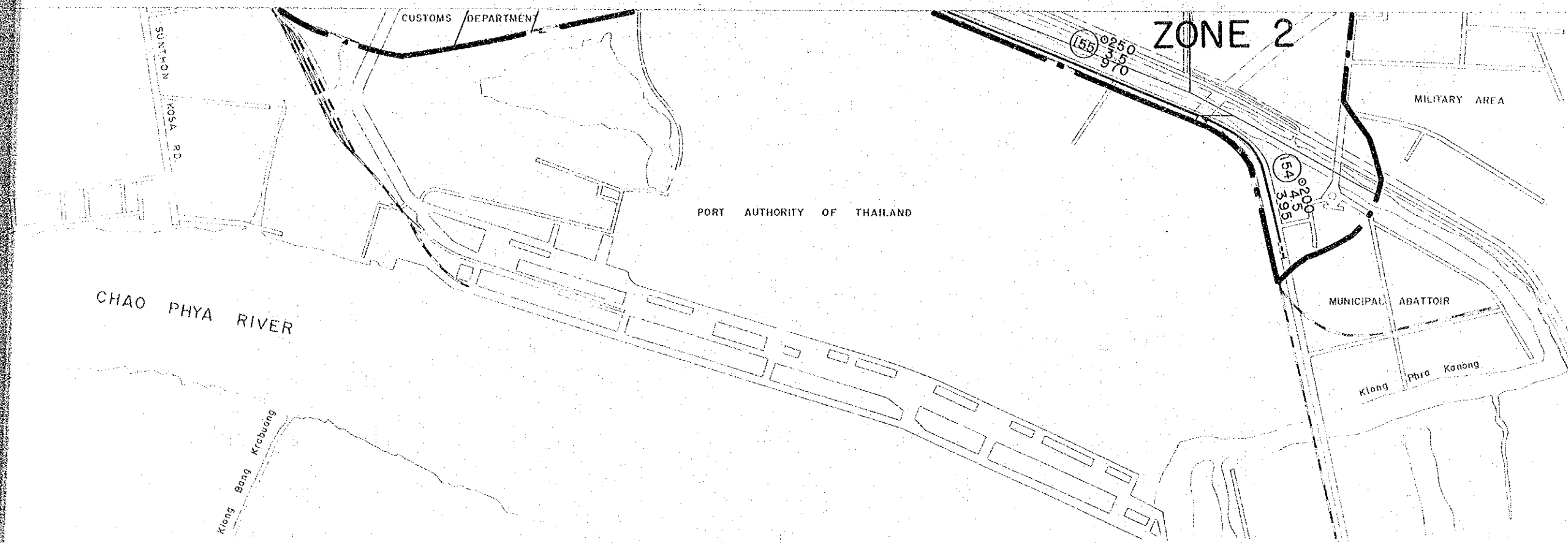
ZONE 2

- LEGEND**
- BOUNDARY OF ZONE
 - PROPOSED SEWER
 - ▨ TEMPORARY COMBINED SYSTEM AREA
 - ⊙ SEWER NO
 - ⊙1650 DIAMETER (mm)
 - 0.4 SLOPE (‰)
 - 570 LENGTH (m)
 - ⊙ PUMPING STATION
 - ▨ TREATMENT FACILITIES
 - EFFLUENT OUTFALL

Index

1	7	
2	8	
3	9	13
4	10	14
5	11	15
6	12	

SEWERAGE SYSTEM
 MAP No. 14
 (Zone 2)
 SCALE 1: 10,000



LEGEND

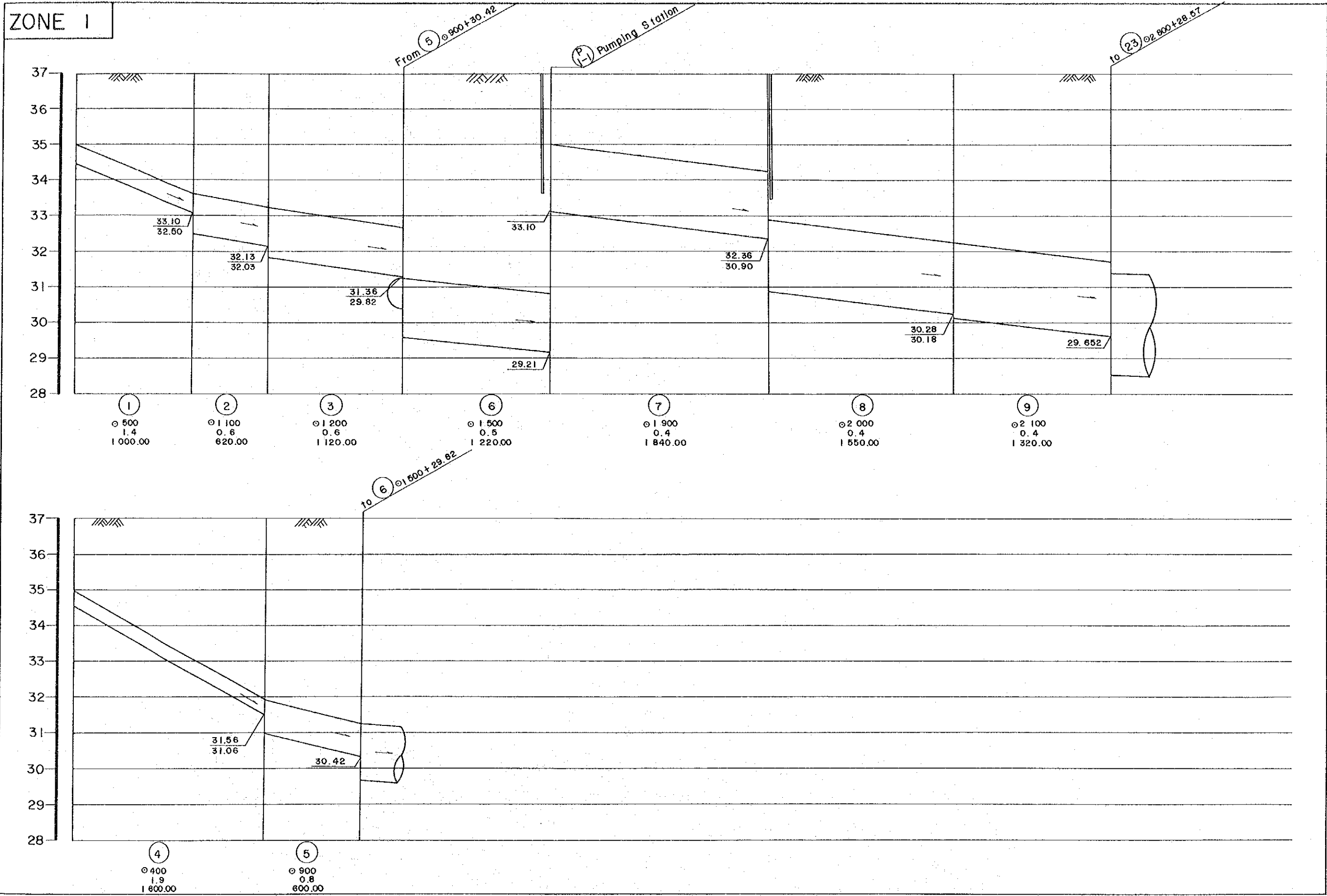
- BOUNDARY OF ZONE
- PROPOSED SEWER
- ▨ TEMPORARY COMBINED SYSTEM AREA
- ⊙ SEWER NO
- ⊙1650 DIAMETER (mm)
- 0.4 SLOPE (‰)
- 570 LENGTH (m)
- Ⓟ PUMPING STATION
- ▭ TREATMENT FACILITIES
- ⇒ EFFLUENT OUTFALL

Index

1	7	
2	8	
3	9	13
4	10	14
5	11	15
6	12	

SEWERAGE SYSTEM
MAP No. 15
 (Zone 2)
 SCALE 1:10,000

2. SEWER PFILES



LEGEND

(5) SEWER NO.
 ∅ 1,000 DIAMETER (mm)
 0.8 SLOPE (‰)
 200 LENGTH (m)

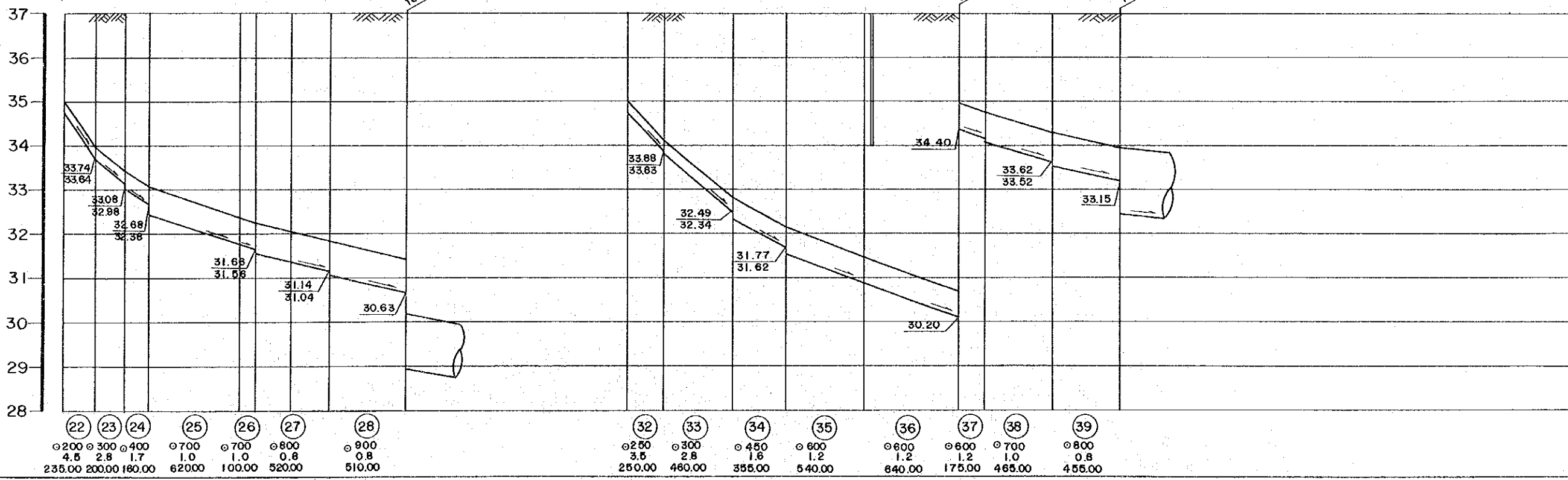
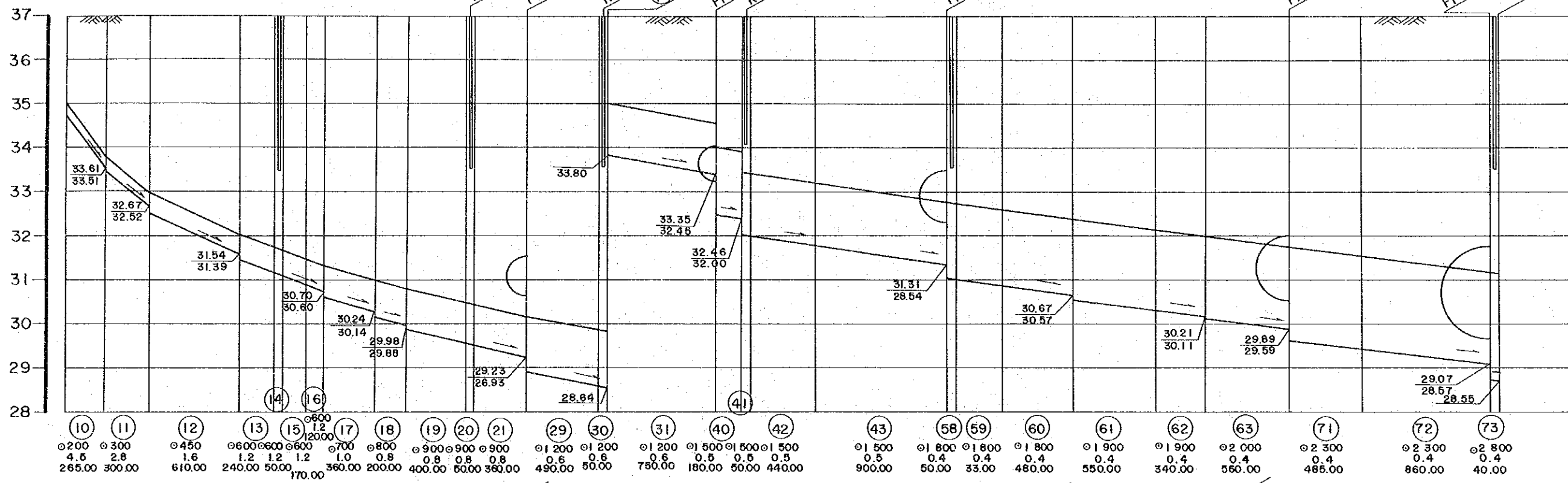
29.00 / 28.50 INVERT ELEVATION

ELEVATIONS IN METERS
M.S.L. 35.03

SEWERAGE SYSTEM PROFILE

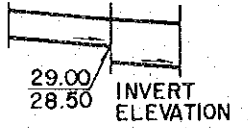
SCALE VERTICAL 1:100
HORIZONTAL 1:30,000

ZONE I



LEGEND

- ⑤ SEWER NO.
- ∅ 1,000 DIAMETER (mm)
- 0.8 SLOPE (‰)
- 200 LENGTH (m)

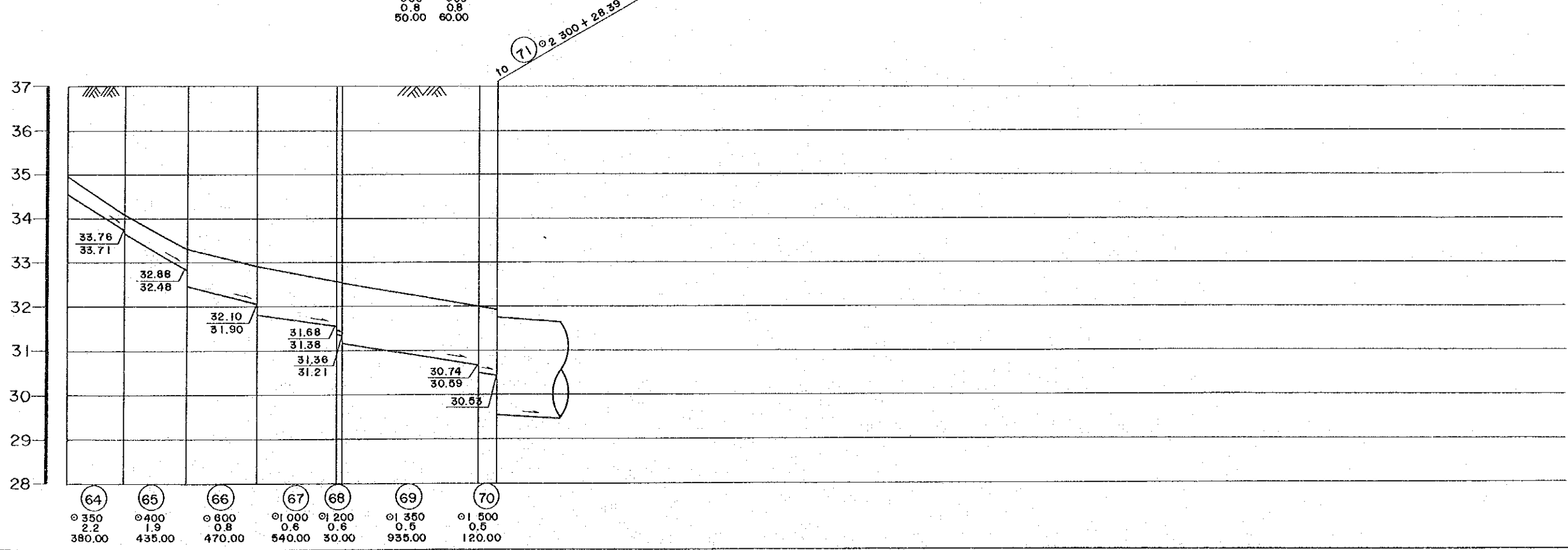
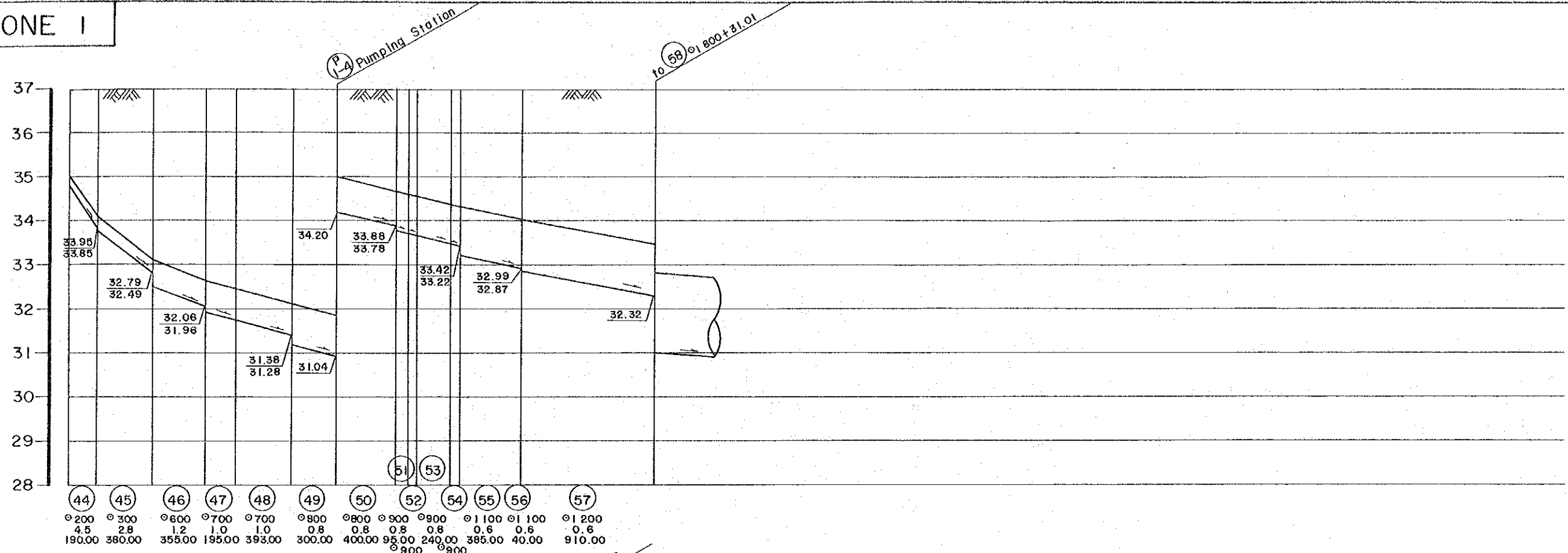


ELEVATIONS IN METERS
M.S.L. 35.03

SEWERAGE SYSTEM PROFILE

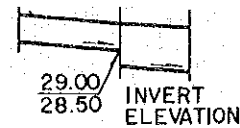
SCALE VERTICAL 1:100
HORIZONTAL 1:30,000

ZONE I



LEGEND

- ⑤ SEWER NO.
- ∅ 1,000 DIAMETER (mm)
- 0.8 SLOPE (‰)
- 200 LENGTH (m)

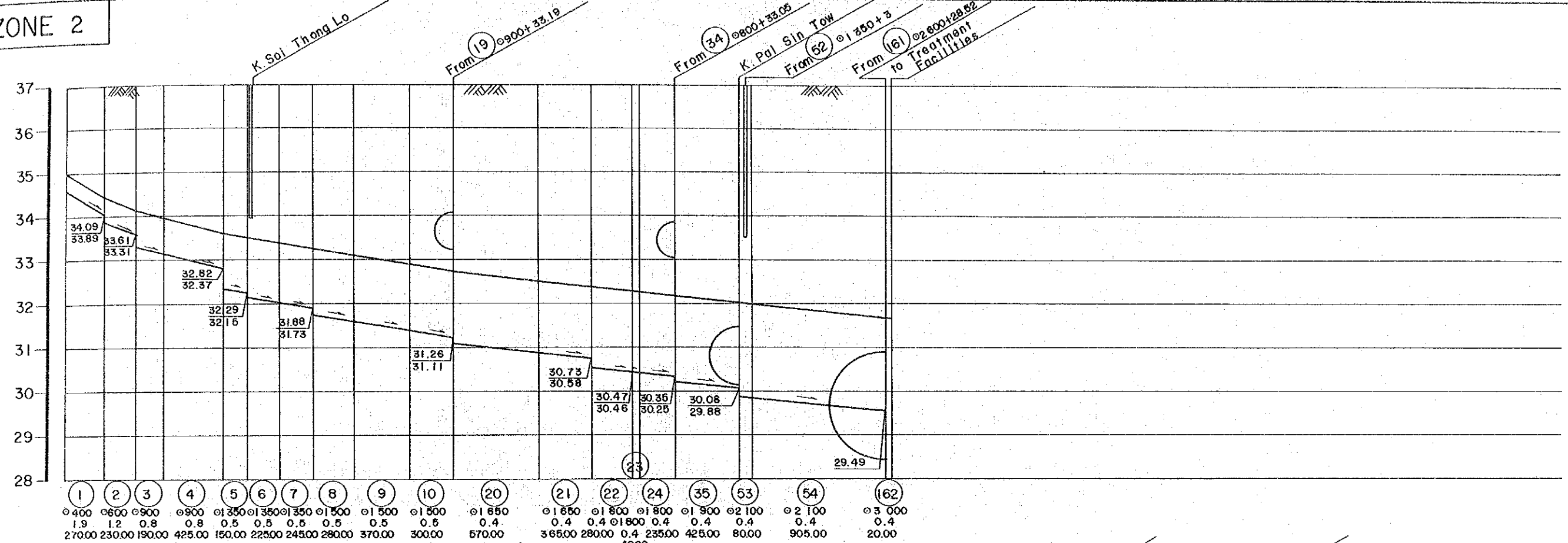


ELEVATIONS IN METERS
M. S. L. 35.03

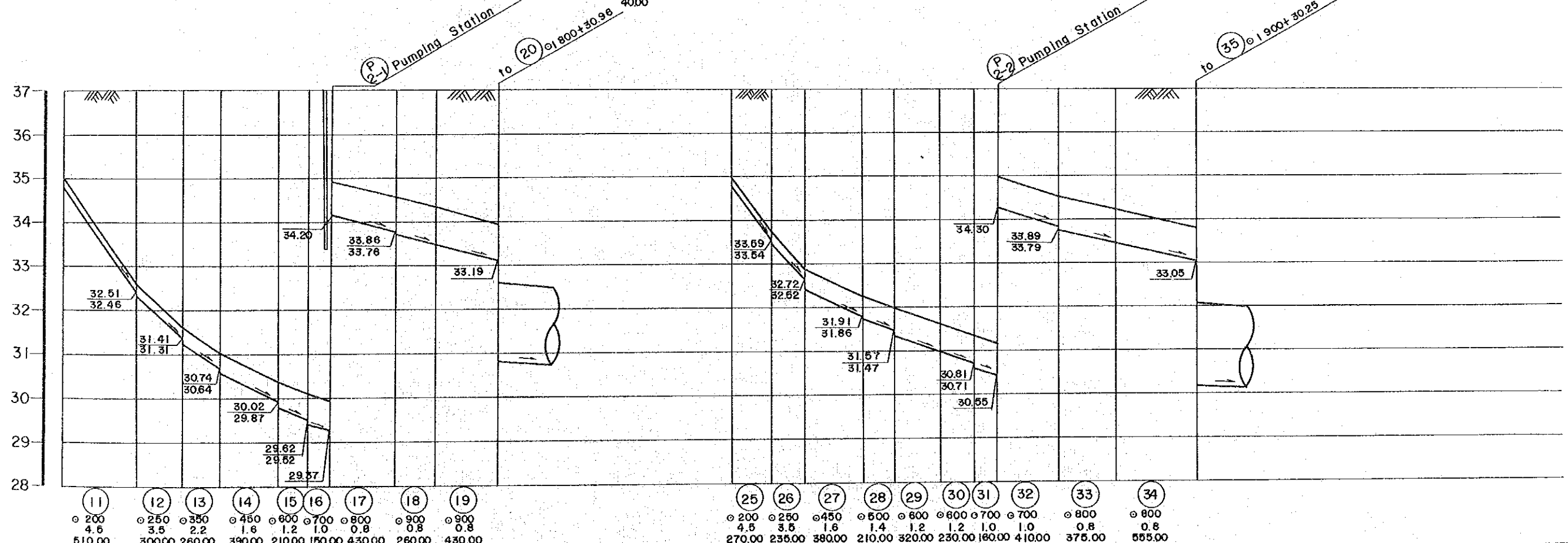
SEWERAGE SYSTEM PROFILE

SCALE VERTICAL 1:100
HORIZONTAL 1:30,000

ZONE 2



1	2	3	4	5	6	7	8	9	10	20	21	22	24	35	53	54	162	
Ø 400	Ø 600	Ø 900	Ø 900	Ø 1350	Ø 1350	Ø 1350	Ø 1500	Ø 1500	Ø 1500	Ø 1850	Ø 1850	Ø 1800	Ø 1800	Ø 1900	Ø 2100	Ø 2100	Ø 3000	
1.9	1.2	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	Ø 1800	0.4	0.4	0.4		
270.00	230.00	190.00	425.00	150.00	225.00	245.00	280.00	370.00	300.00	570.00	365.00	280.00	0.4	235.00	425.00	80.00	905.00	20.00



11	12	13	14	15	16	17	18	19	25	26	27	28	29	30	31	32	33	34
Ø 200	Ø 250	Ø 350	Ø 450	Ø 600	Ø 700	Ø 800	Ø 900	Ø 900	Ø 200	Ø 280	Ø 450	Ø 600	Ø 600	Ø 600	Ø 700	Ø 700	Ø 800	Ø 800
4.6	3.5	2.2	1.6	1.2	1.0	0.8	0.8	0.8	4.6	3.6	1.6	1.4	1.2	1.2	1.0	1.0	0.8	0.8
510.00	300.00	260.00	390.00	210.00	150.00	430.00	260.00	430.00	270.00	235.00	380.00	210.00	320.00	230.00	180.00	410.00	375.00	555.00

LEGEND

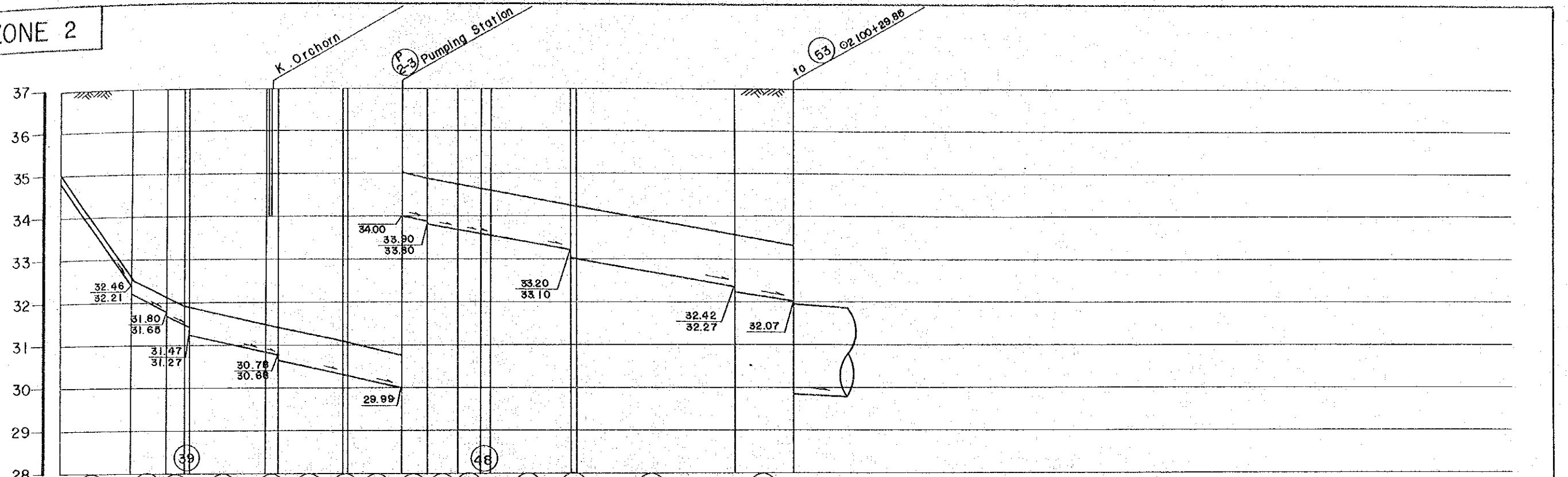
- ⑤ SEWER NO.
 - Ø 1,000 DIAMETER (mm)
 - 0.8 SLOPE (‰)
 - 200 LENGTH (m)
-

ELEVATIONS IN METERS
M.S.L. 35.03

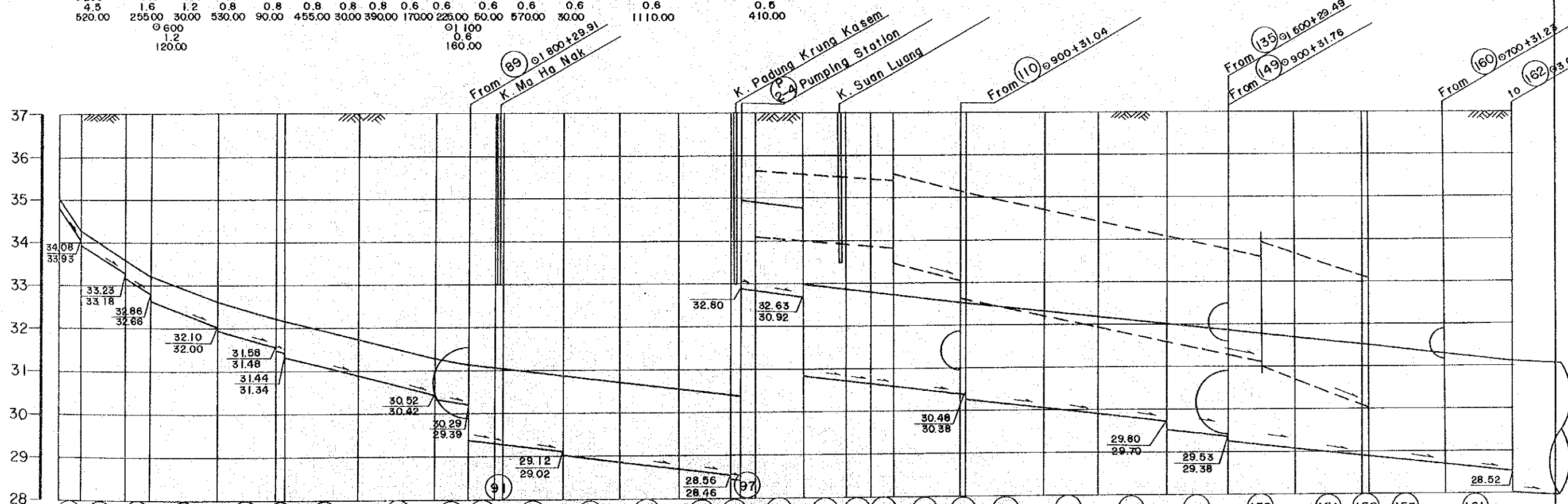
SEWERAGE SYSTEM PROFILE

SCALE VERTICAL 1:100
HORIZONTAL 1:30,000

ZONE 2



(36)	(37)	(38)	(40)	(41)	(42)	(43)	(44)	(45)	(46)	(47)	(49)	(50)	(51)	(52)
Ø200	Ø450	Ø800	Ø800	Ø800	Ø900	Ø900	Ø900	Ø1000	Ø1100	Ø1100	Ø1100	Ø1200	Ø1200	Ø1350
4.5	1.6	1.2	0.8	0.8	0.8	0.8	0.8	0.6	0.6	0.6	0.6	0.6	0.8	0.6
520.00	255.00	300.00	530.00	90.00	455.00	300.00	390.00	1700.00	225.00	50.00	570.00	30.00	1110.00	410.00
	Ø600	120.00						Ø100	0.6	160.00				



(55)	(56)	(57)	(58)	(59)	(60)	(61)	(62)	(63)	(90)	(92)	(93)	(94)	(95)	(96)	(98)	(99)	(100)	(101)	(102)	(111)	(112)	(113)	(114)	(115)	(150)	(151)	(152)	(153)	(161)	
Ø200	Ø350	Ø400	Ø600	Ø700	Ø800	Ø900	Ø900	Ø1000	Ø1000	Ø1900	Ø1900	Ø2000	Ø2000	Ø2000	Ø2100	Ø2200	Ø2200	Ø2200	Ø2200	Ø2200	Ø2300	Ø2300	Ø2300	Ø2300	Ø2400	Ø2600	Ø2600	Ø2600	Ø2600	
4.5	2.2	1.9	1.2	1.0	0.8	0.8	0.8	0.8	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
1600.00	320.00	170.00	470.00	420.00	500.00	500.00	530.00	220.00	400.00	430.00	400.00	410.00	355.00	60.00	335.00	290.00	175.00	180.00	475.00	30.00	555.00	380.00	500.00	420.00	470.00	480.00	40.00	525.00	490.00	
									Ø1000	0.4	190.00			Ø200	0.4	105.00														

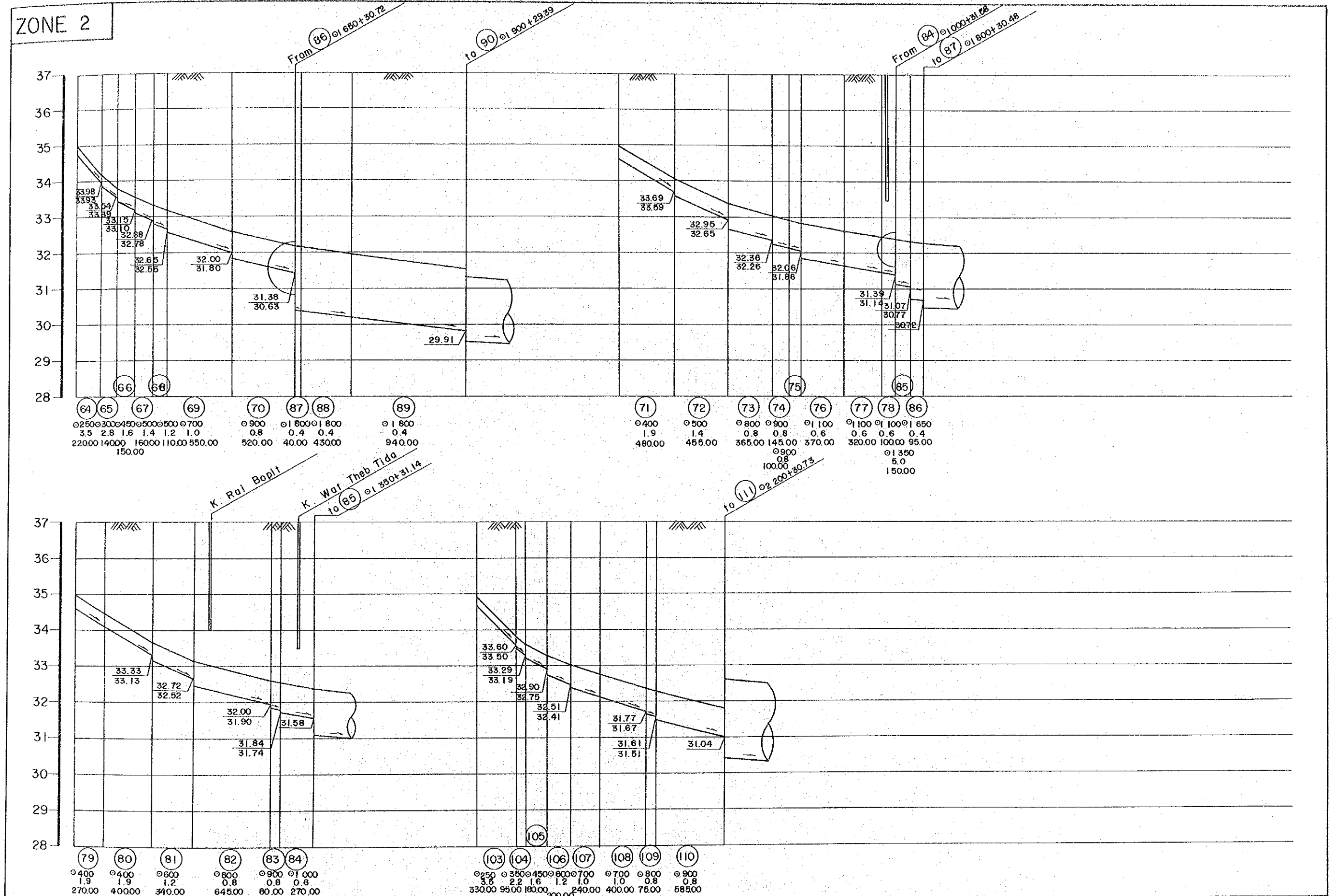
LEGEND

- (5) SEWER NO.
 - Ø1,000 DIAMETER (mm)
 - 0.8 SLOPE (‰)
 - 200 LENGTH (m)
-
- INVERT ELEVATION

ELEVATIONS IN METERS
M.S.L. 35.03

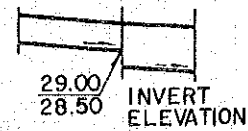
SEWERAGE SYSTEM PROFILE

SCALE VERTICAL 1:100
HORIZONTAL 1:30,000



LEGEND

- (5) SEWER NO.
- Ø 1,000 DIAMETER (mm)
- 0.8 SLOPE (‰)
- 200 LENGTH (m)

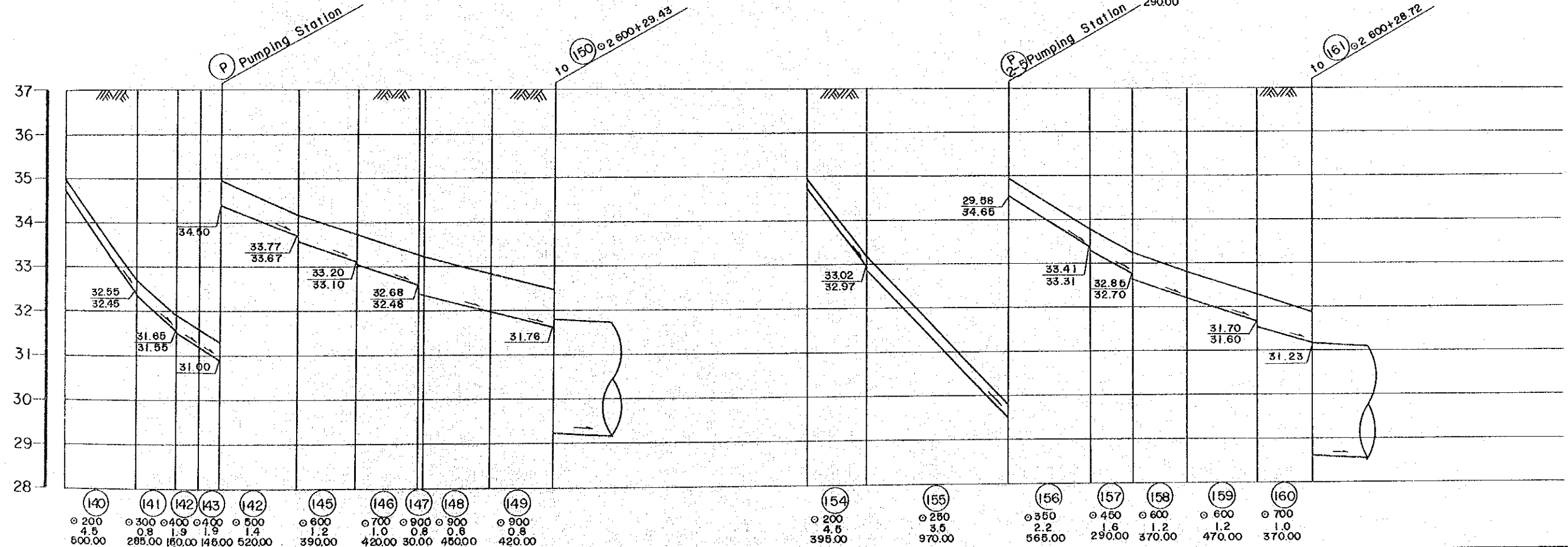
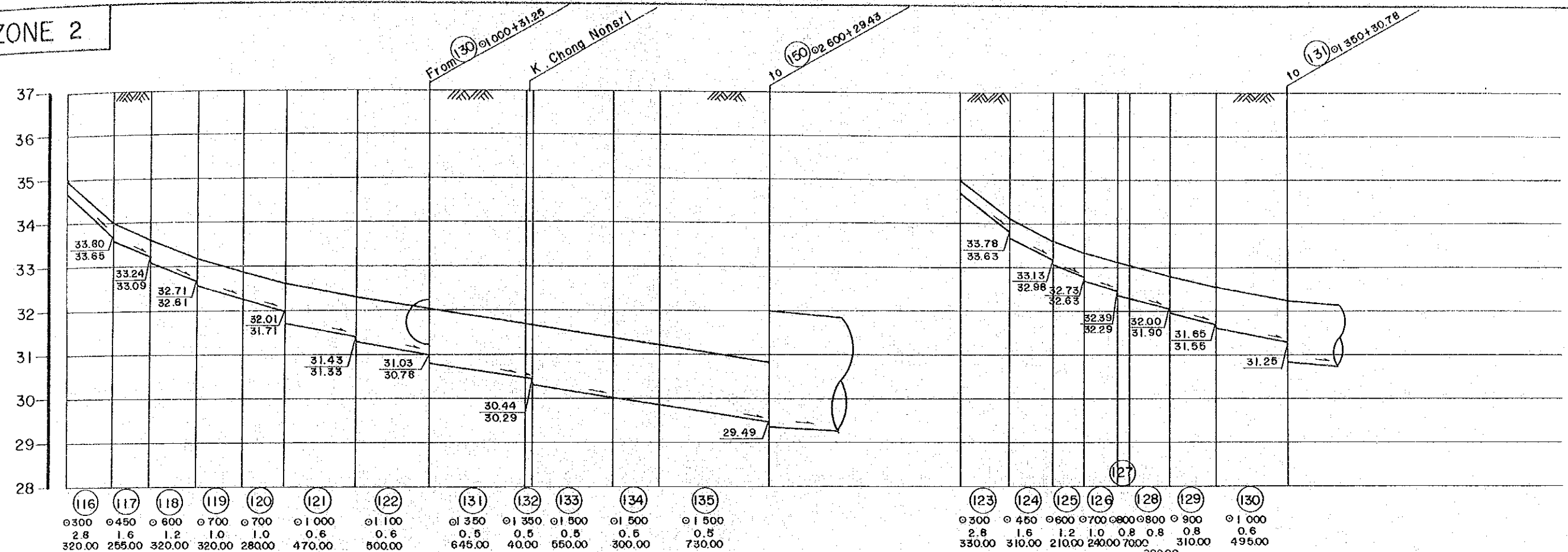


ELEVATIONS IN METERS
M.S.L. 35.03

SEWERAGE SYSTEM PROFILE

SCALE VERTICAL 1:100
HORIZONTAL 1:30,000

ZONE 2



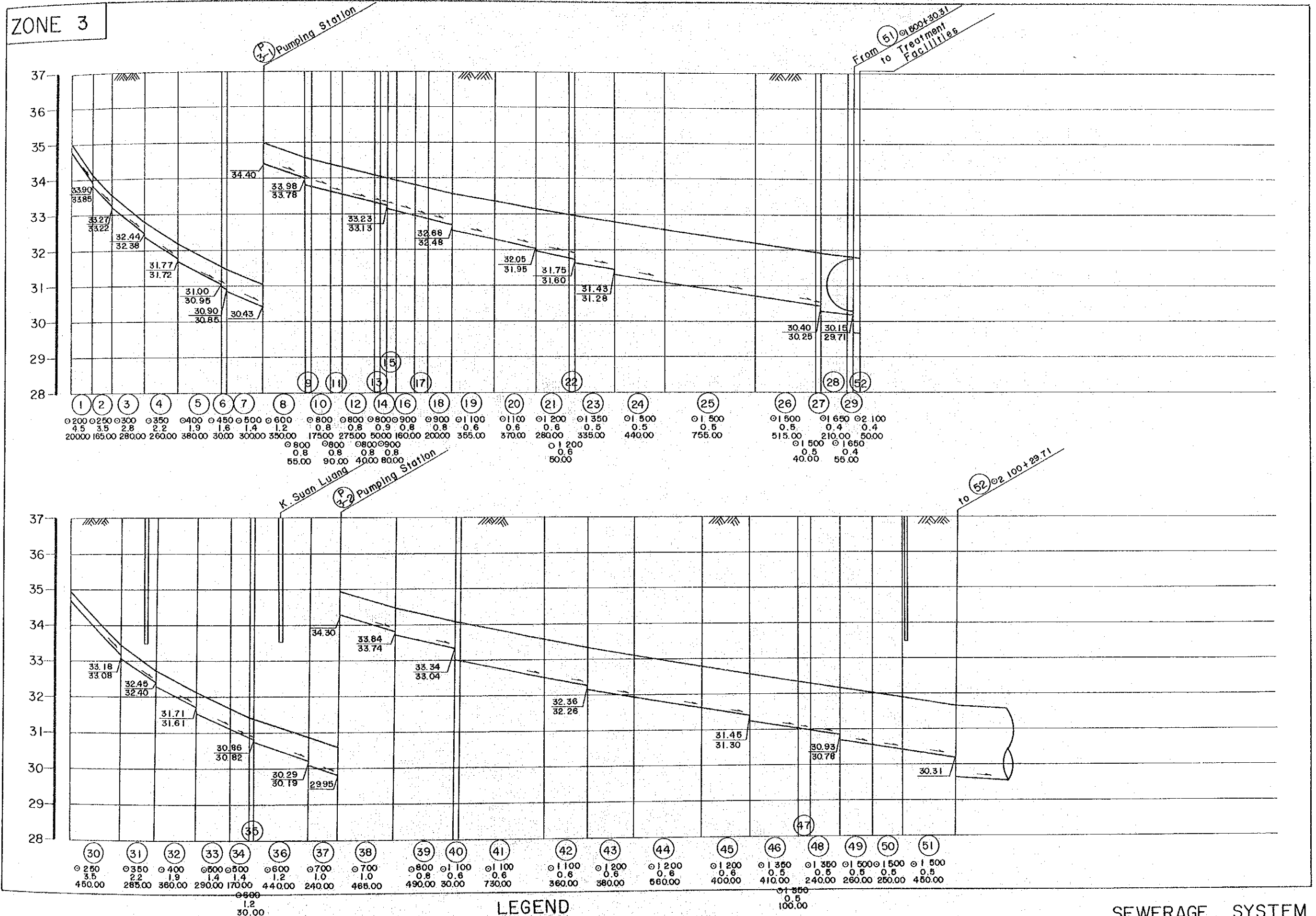
LEGEND

- ⑤ SEWER NO.
 - Ø 1,000 DIAMETER (mm)
 - 0.8 SLOPE (‰)
 - 200 LENGTH (m)
-
- 29.00
28.50
INVERT ELEVATION

ELEVATIONS IN METERS
M.S.L. 35.03

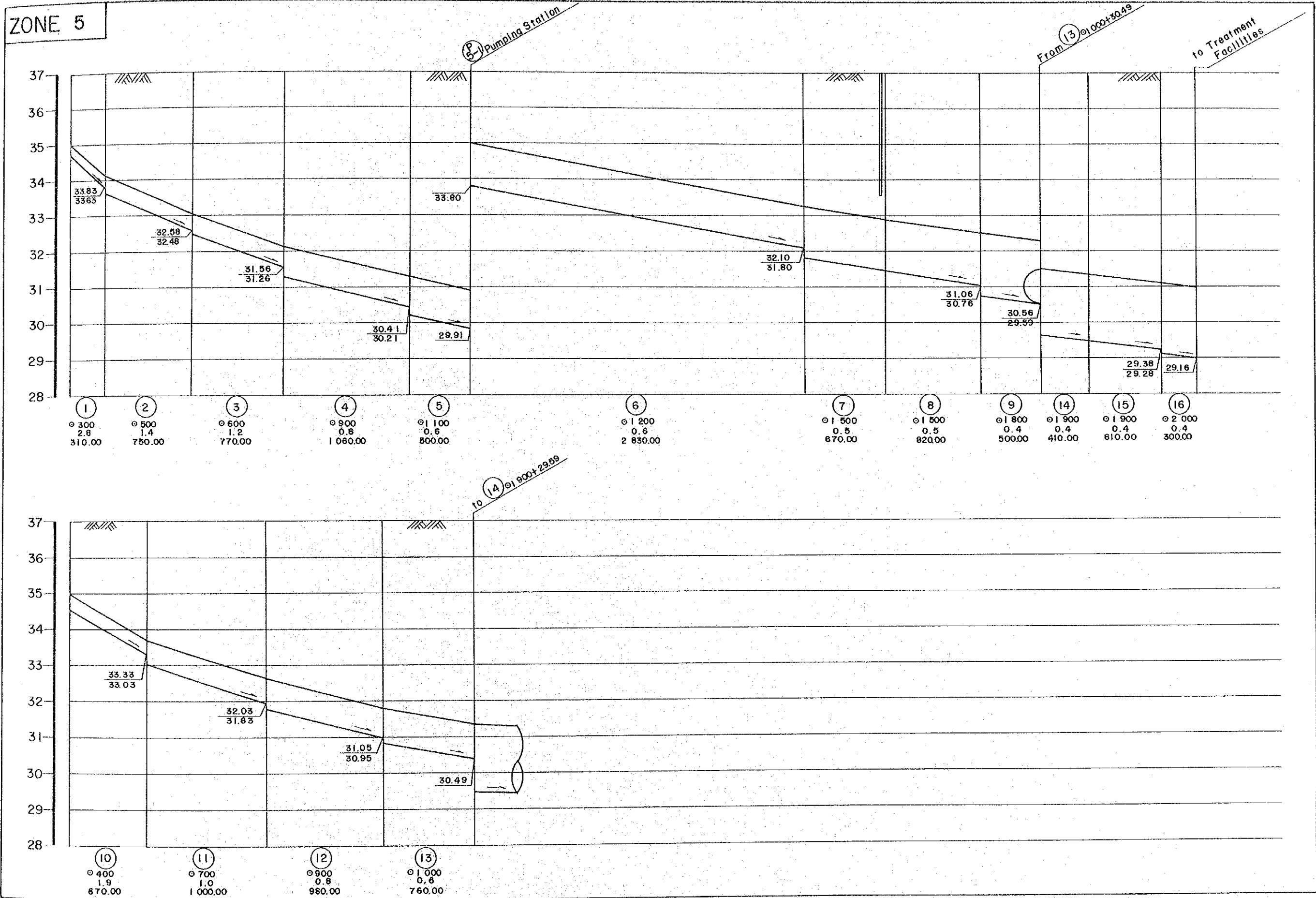
SEWERAGE SYSTEM PROFILE

SCALE VERTICAL 1:100
HORIZONTAL 1:30,000



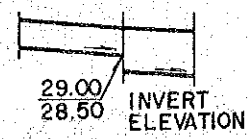
Station	Diameter (mm)	Slope (‰)	Length (m)
1	Ø 200	4.5	200.00
2	Ø 250	3.5	165.00
3	Ø 300	2.8	280.00
4	Ø 350	2.2	260.00
5	Ø 400	1.9	380.00
6	Ø 450	1.6	300.00
7	Ø 500	1.4	300.00
8	Ø 600	1.2	350.00
9	Ø 800	0.8	175.00
10	Ø 800	0.8	275.00
11	Ø 800	0.8	50.00
12	Ø 800	0.8	160.00
13	Ø 900	0.8	200.00
14	Ø 900	0.8	355.00
15	Ø 1100	0.6	370.00
16	Ø 1100	0.6	280.00
17	Ø 1200	0.6	50.00
18	Ø 1350	0.5	440.00
19	Ø 1500	0.5	755.00
20	Ø 1500	0.5	515.00
21	Ø 1500	0.5	210.00
22	Ø 1650	0.4	50.00
23	Ø 1500	0.5	40.00
24	Ø 1500	0.5	55.00
25	Ø 1500	0.5	50.00
26	Ø 1500	0.5	50.00
27	Ø 1500	0.5	50.00
28	Ø 1500	0.5	50.00
29	Ø 1500	0.5	50.00

Station	Diameter (mm)	Slope (‰)	Length (m)
30	Ø 250	3.5	450.00
31	Ø 350	2.2	285.00
32	Ø 400	1.9	360.00
33	Ø 500	1.4	290.00
34	Ø 500	1.4	170.00
35	Ø 600	1.2	440.00
36	Ø 700	1.0	240.00
37	Ø 700	1.0	465.00
38	Ø 800	0.8	490.00
39	Ø 1000	0.6	30.00
40	Ø 1000	0.6	730.00
41	Ø 1100	0.6	360.00
42	Ø 1200	0.6	360.00
43	Ø 1200	0.6	560.00
44	Ø 1200	0.6	400.00
45	Ø 1350	0.5	410.00
46	Ø 1350	0.5	240.00
47	Ø 1500	0.5	260.00
48	Ø 1500	0.5	250.00
49	Ø 1500	0.5	450.00
50	Ø 1500	0.5	450.00
51	Ø 1500	0.5	450.00



LEGEND

⑤ SEWER NO.
 ∅ 1,000 DIAMETER (mm)
 0.8 SLOPE (‰)
 200 LENGTH (m)

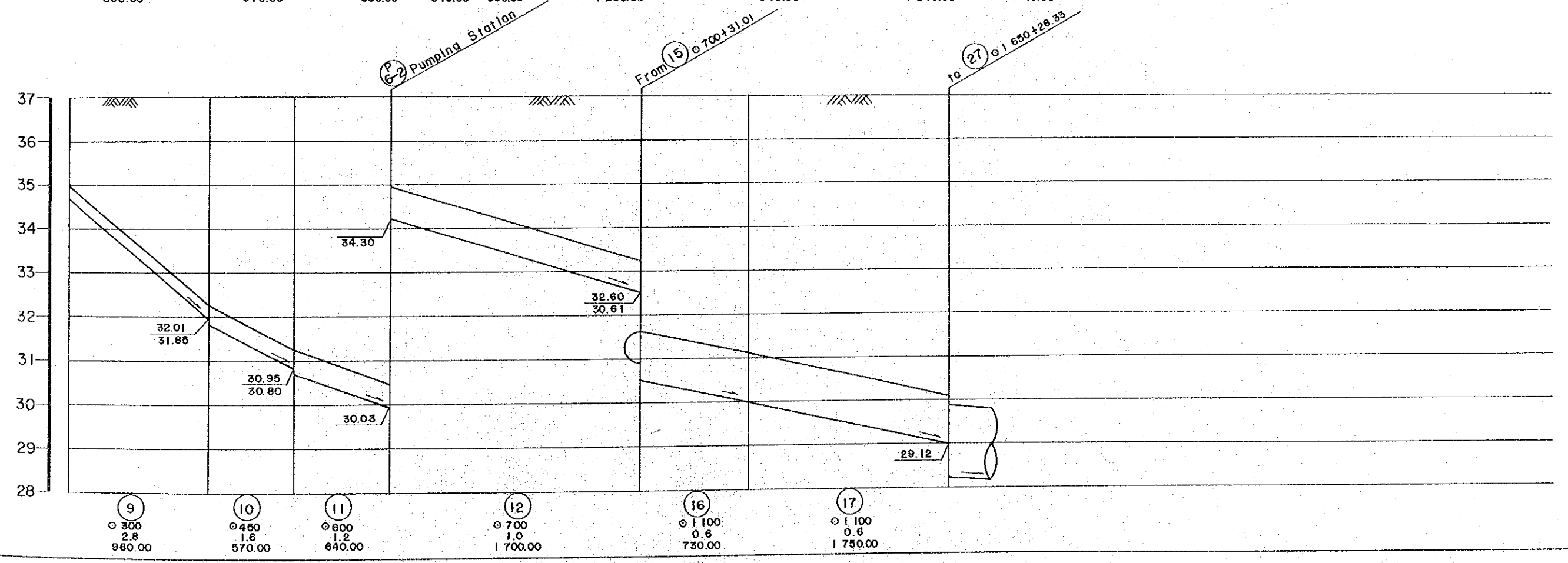
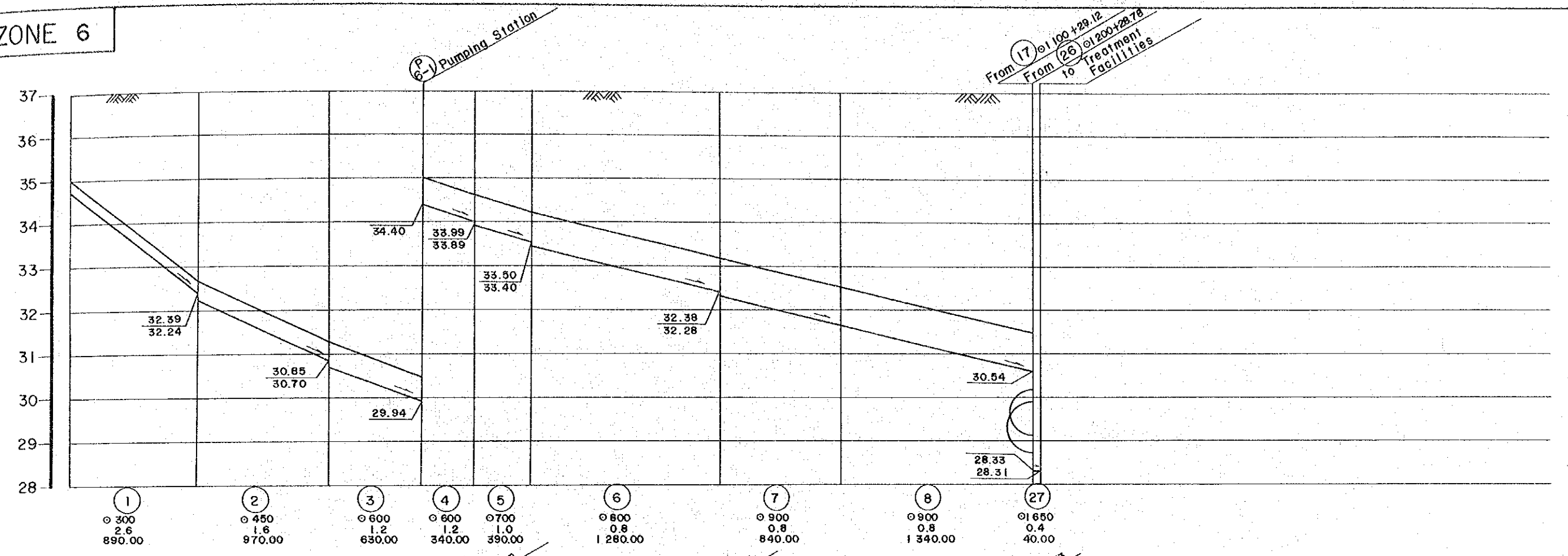


ELEVATIONS IN METERS
 M.S.L. 35.03

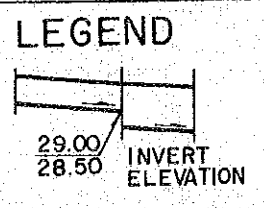
SEWERAGE SYSTEM PROFILE

SCALE VERTICAL 1:100
 HORIZONTAL 1:30,000

ZONE 6



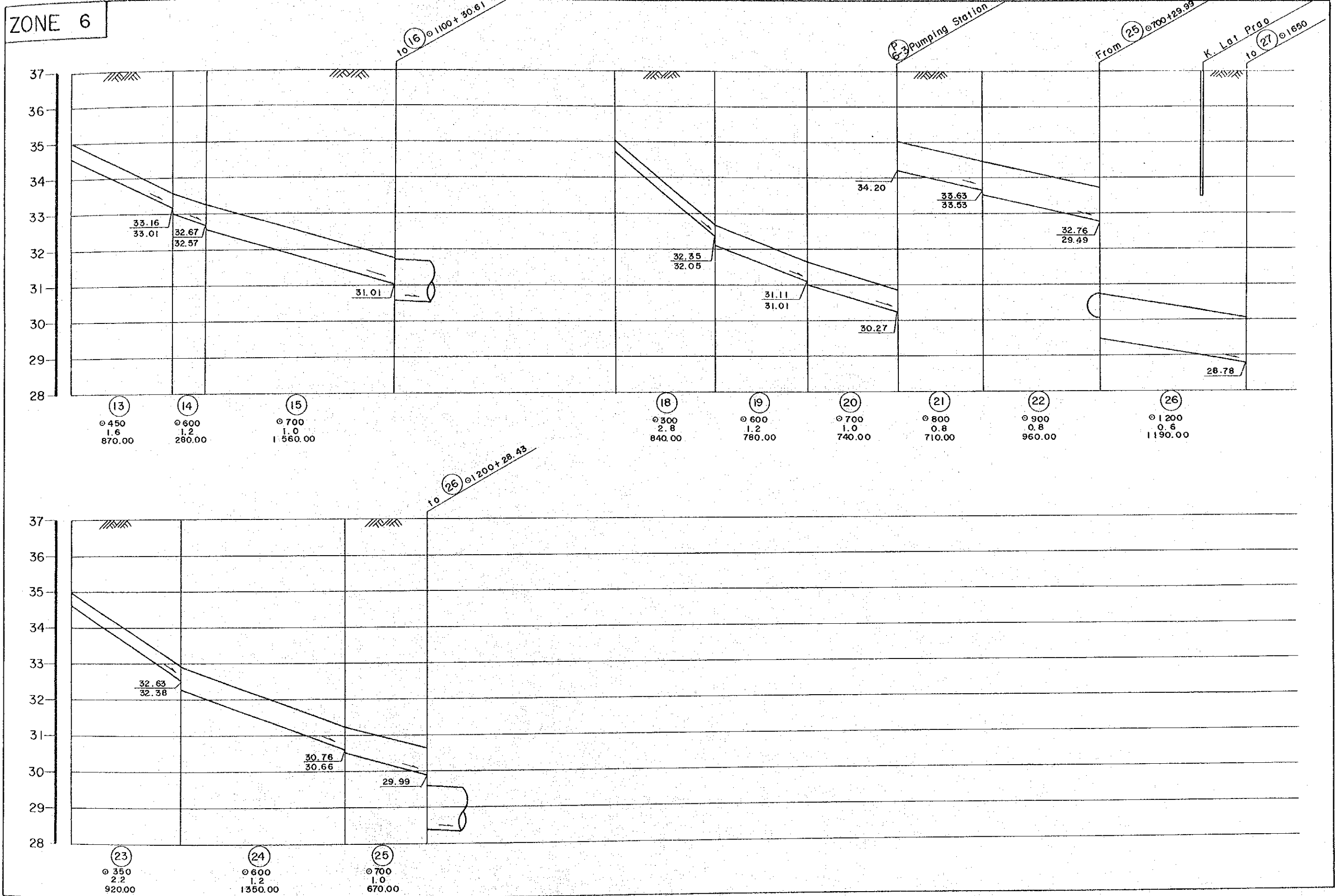
(5) SEWER NO.
 ϕ 1,000 DIAMETER (mm)
 0.8 SLOPE (% ∞)
 200 LENGTH (m)

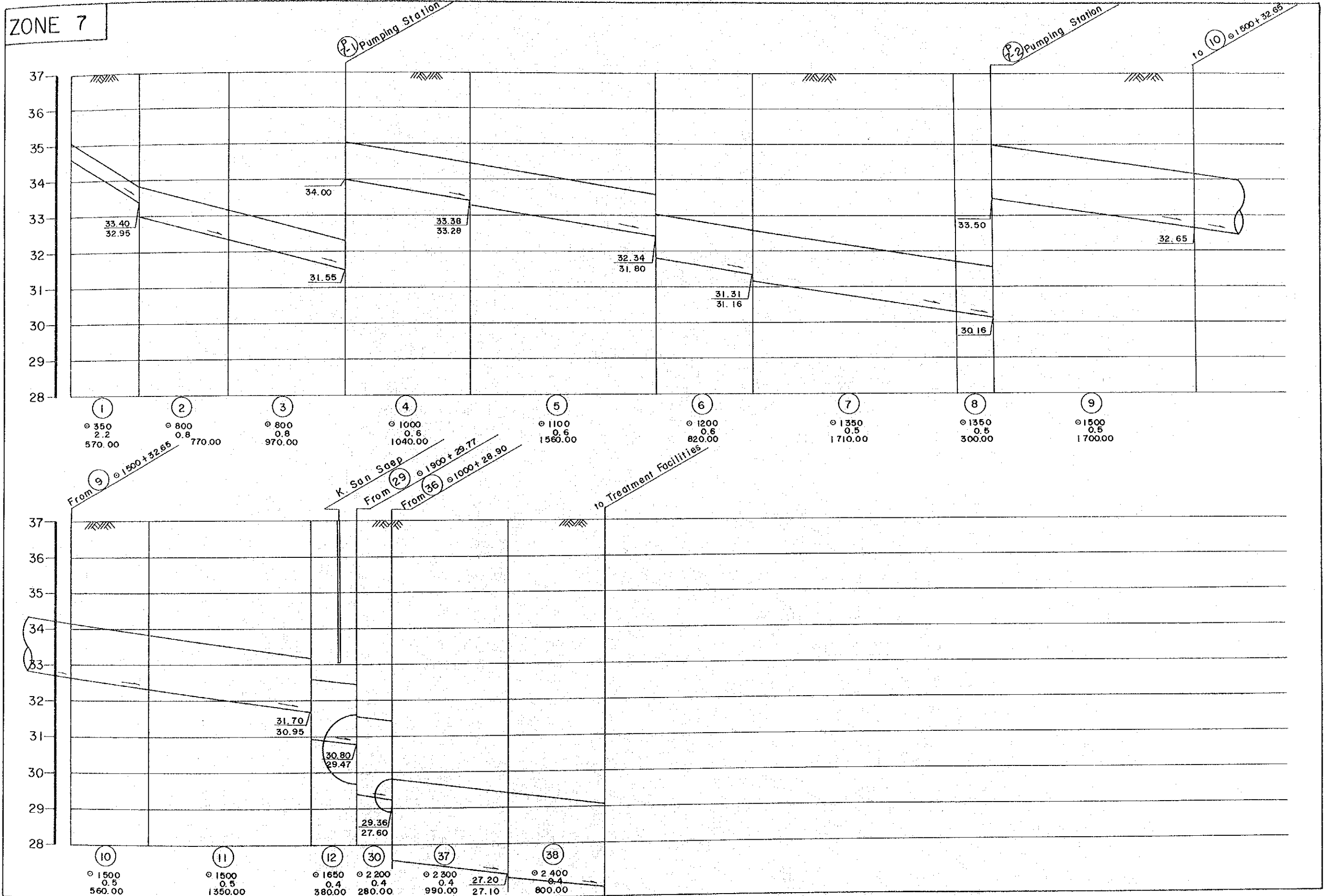


ELEVATIONS IN METERS
M. S. L. 35.03

SEWERAGE SYSTEM PROFILE

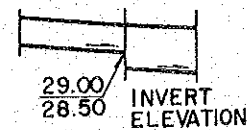
SCALE VERTICAL 1:100
HORIZONTAL 1:30,000





LEGEND

(5) SEWER NO.
 1,000 DIAMETER (mm)
 0.8 SLOPE (‰)
 200 LENGTH (m)

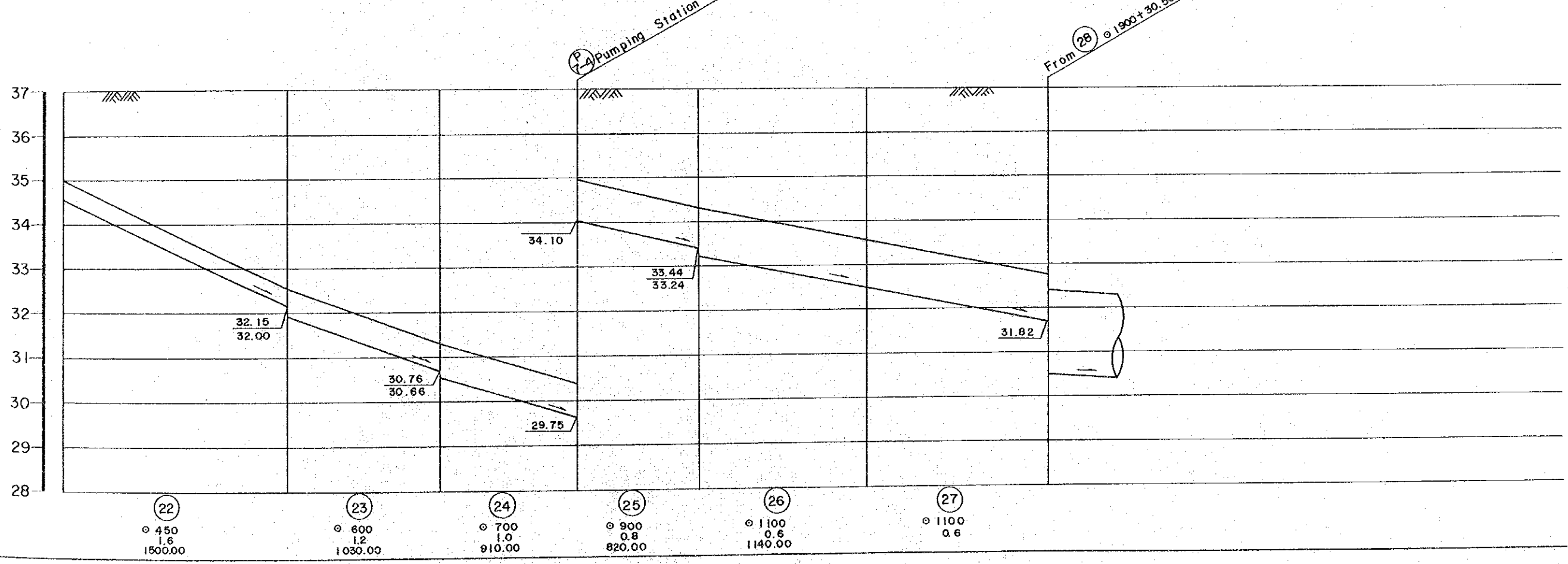
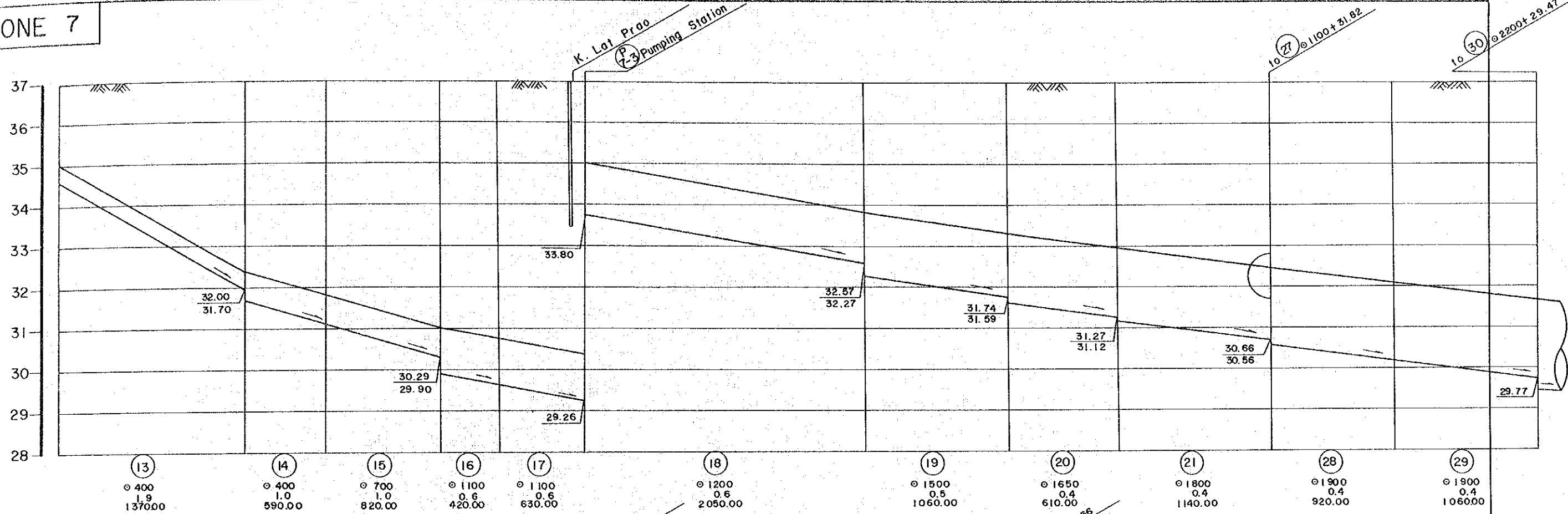


ELEVATIONS IN METERS
 M.S.L. 35.03

SEWERAGE SYSTEM PROFILE

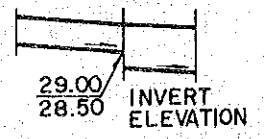
SCALE VERTICAL 1:100
 HORIZONTAL 1:30,000

ZONE 7



LEGEND

5	SEWER NO.
1,000	DIAMETER (mm)
0.8	SLOPE (‰)
200	LENGTH (m)

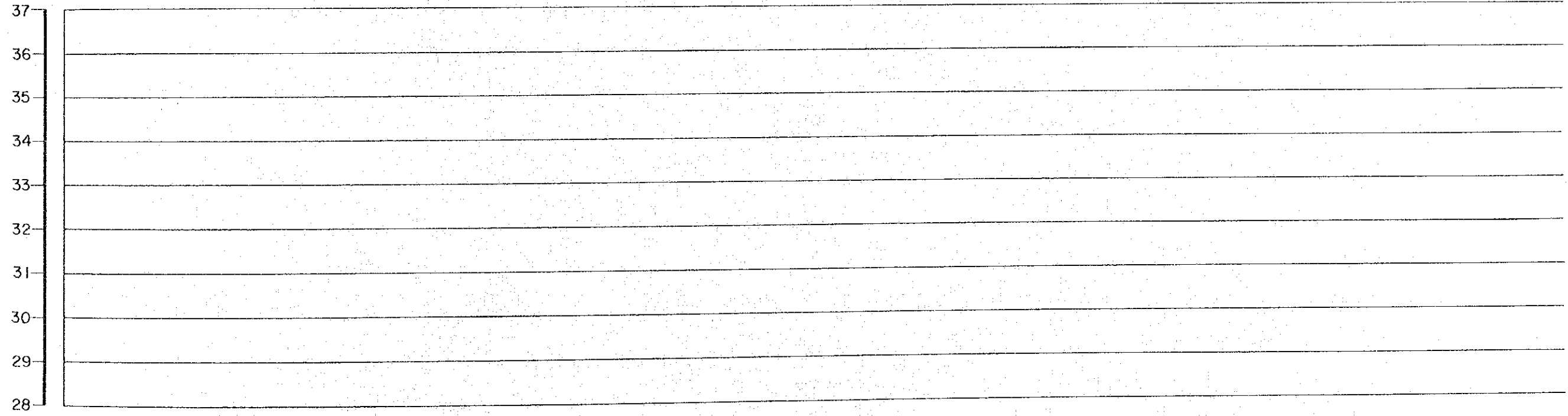
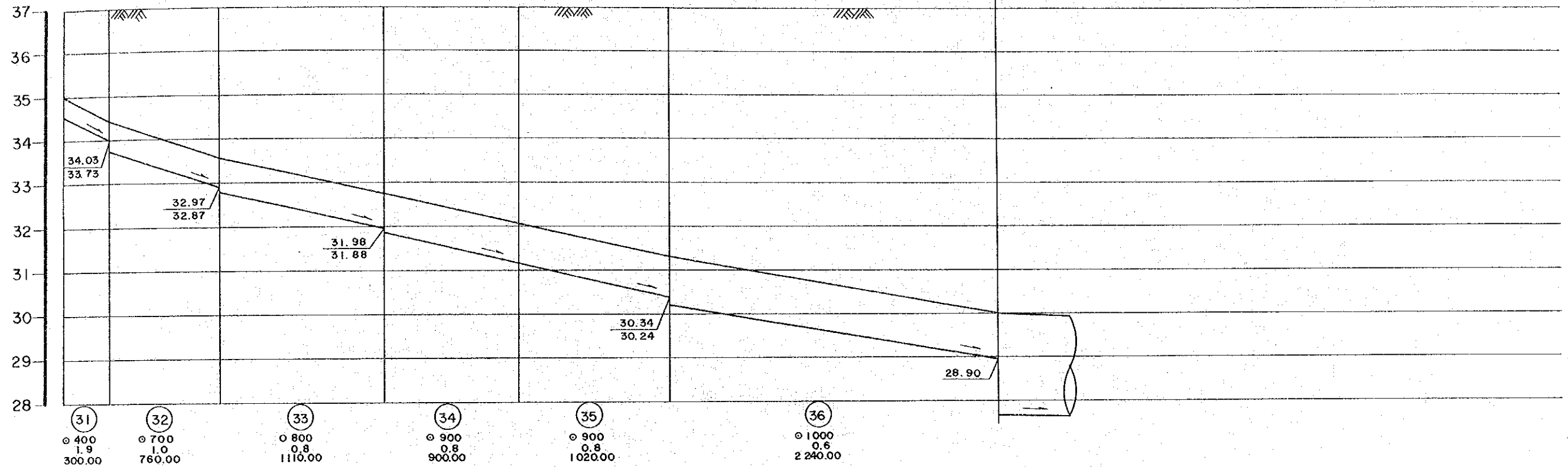


ELEVATIONS IN METERS
M.S.L. 35.03

SEWERAGE SYSTEM PROFILE

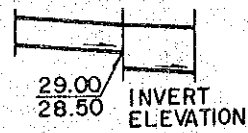
SCALE VERTICAL 1:100
HORIZONTAL 1:30,000

ZONE 7



LEGEND

(5) SEWER NO.
 ∅ 1,000 DIAMETER (mm)
 0.8 SLOPE (‰)
 200 LENGTH (m)

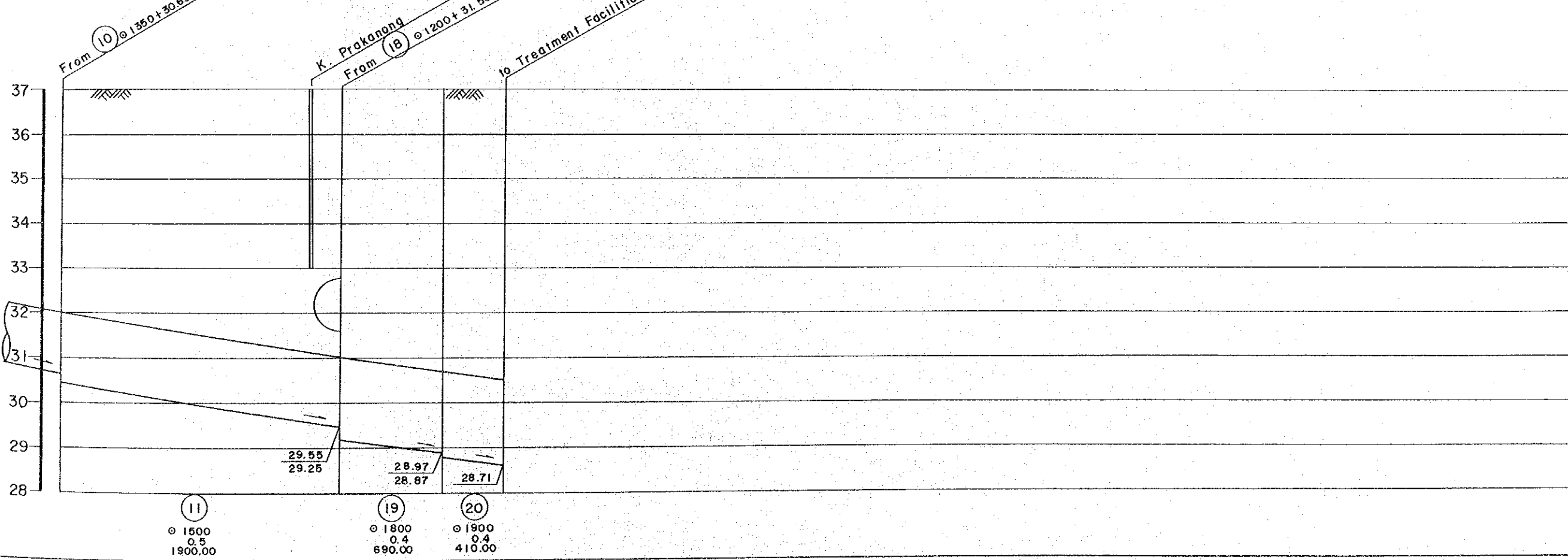
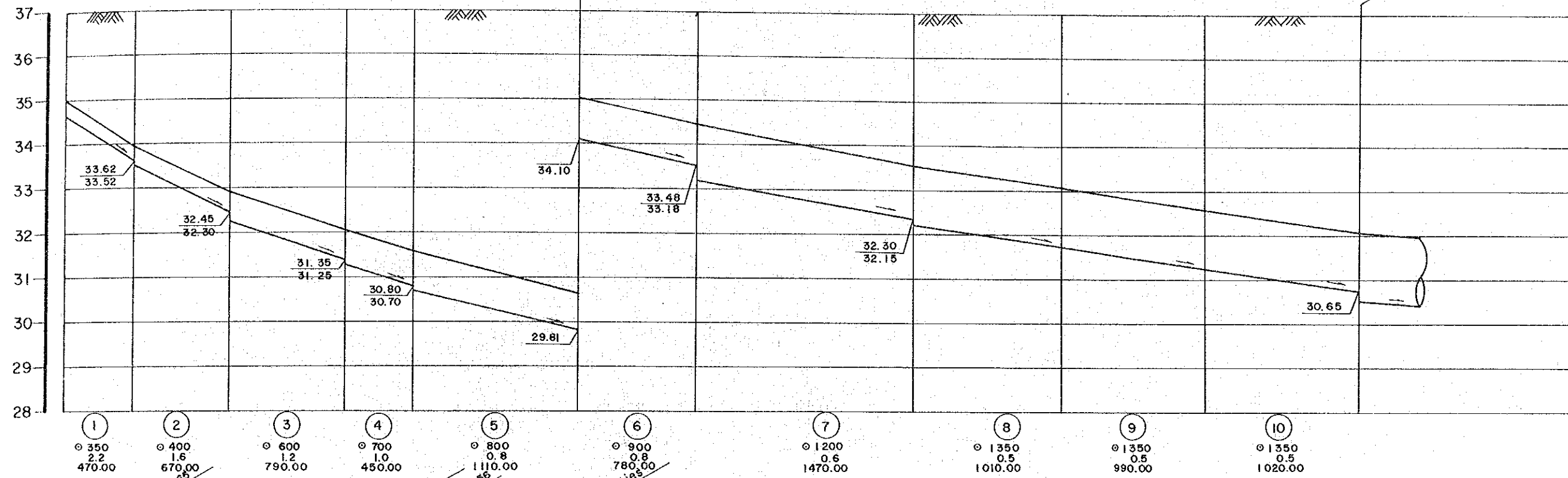


ELEVATIONS IN METERS
M.S.L. 35.03

SEWERAGE SYSTEM PROFILE

SCALE VERTICAL 1:100
HORIZONTAL 1:30,000

ZONE 8



(P) Pumping Station

From (10) ϕ 1350 + 30.65

K. Prokanong

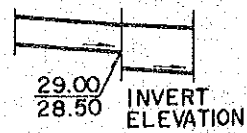
From (18) ϕ 1200 + 31.56

to Treatment Facilities

to (11) ϕ 1500 + 30.50

LEGEND

- (5) SEWER NO.
- ϕ 1,000 DIAMETER (mm)
- 0.8 SLOPE (%)
- 200 LENGTH (m)



ELEVATIONS IN METERS
M.S.L. 35.03

SEWERAGE SYSTEM PROFILE

SCALE VERTICAL 1:100
HORIZONTAL 1:30,000