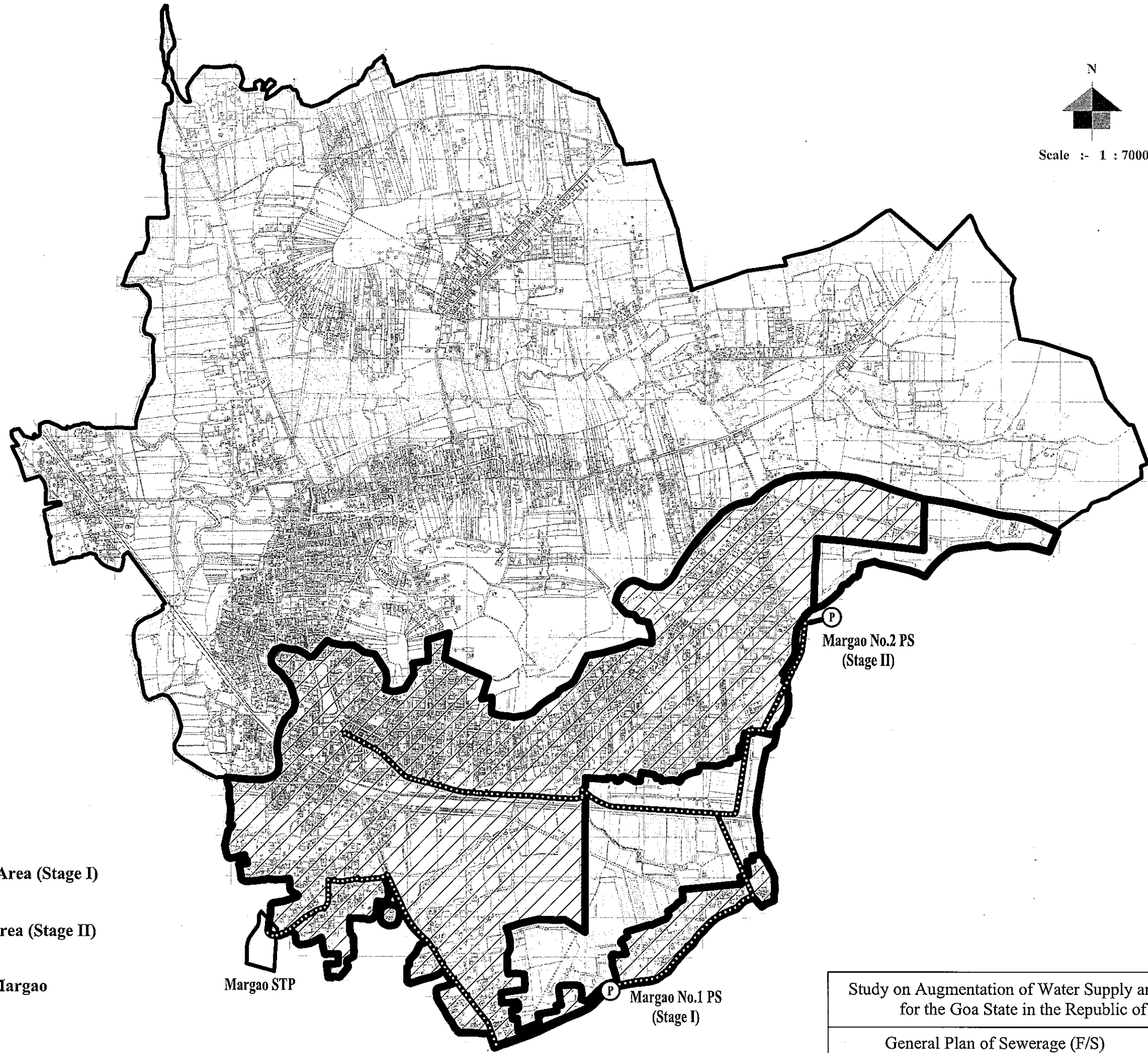





Scale :- 1 : 7000



-  Boundary of Sewerage Service Area (Stage I)
-  Boundary of Sewerage Service Area (Stage II)
-  Boundary of Municipality of Margao

Margao STP

P Margao No.1 PS  
(Stage I)

P Margao No.2 PS  
(Stage II)

Study on Augmentation of Water Supply and Sanitation for the Goa State in the Republic of India	
General Plan of Sewerage (F/S) Margao	Scale: 1:20,000
	No.: S-1



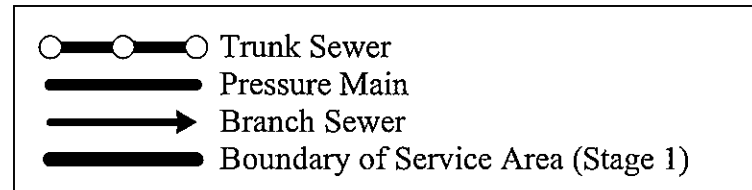
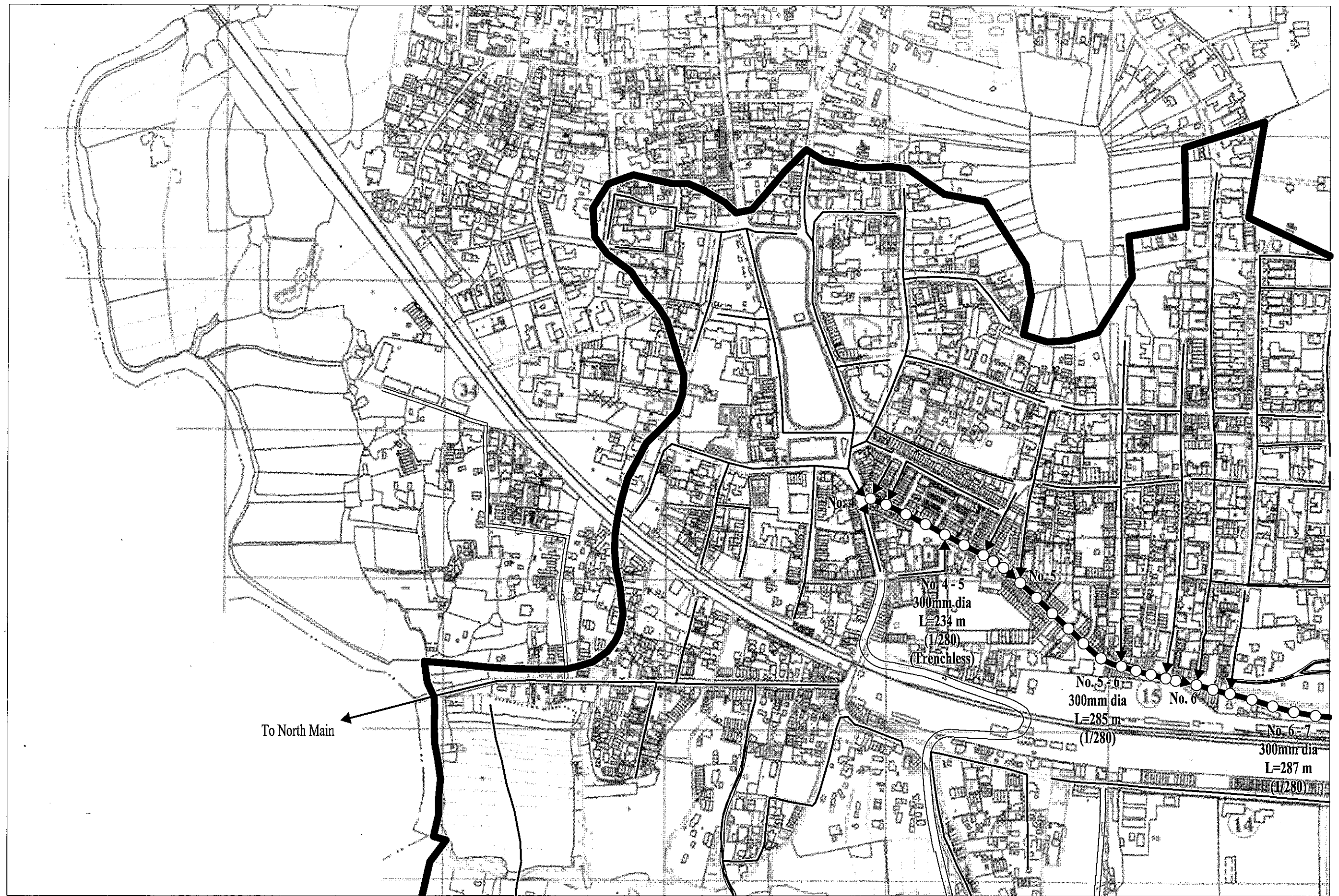
- Trunk Sewer
- ▬ Pressure Main
- ▬→ Branch Sewer
- ▬ Boundary of Service Area (Stage 1)

Study on Augmentation of Water Supply and Sanitation  
for the Goa State in the Republic of India

Plan for Sewer Network (F/S)  
Margao (1/5)

Scale: 1:5,000

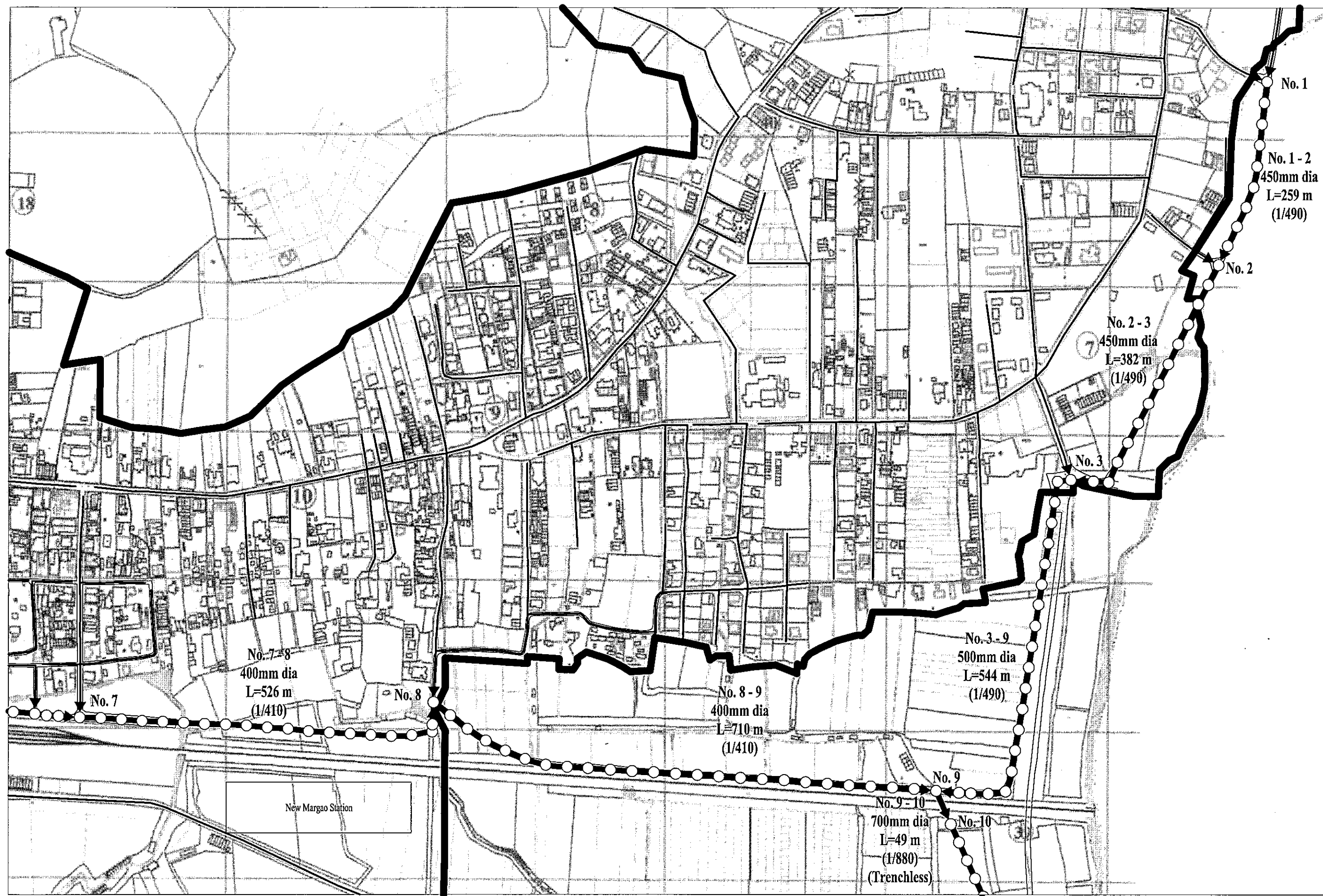
No.: S-2



Study on Augmentation of Water Supply and Sanitation  
for the Goa State in the Republic of India

Plan for Sewer Network (F/S)  
Margao (2/5)

Scale: 1:5,000  
No.: S-3

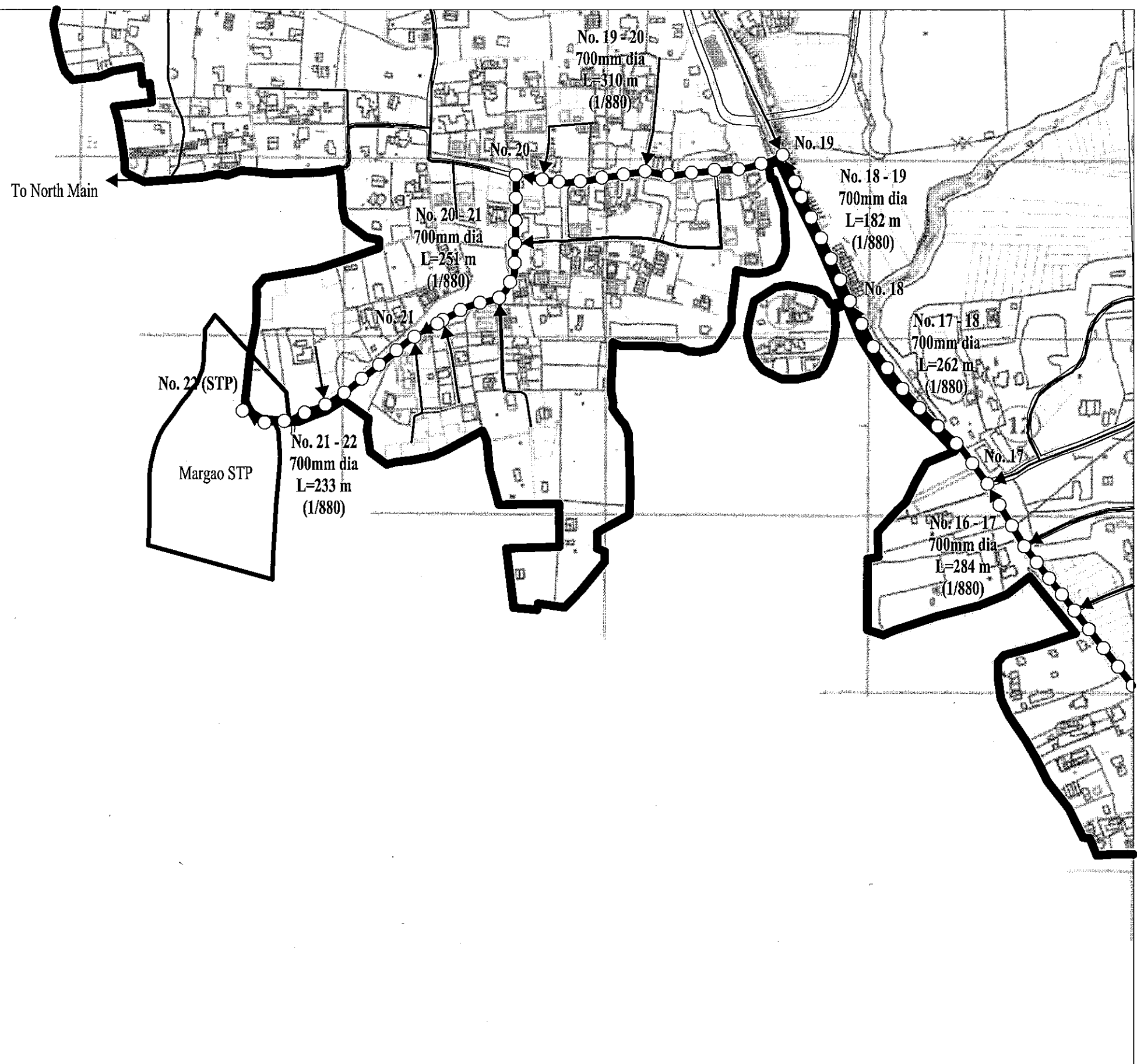


- Trunk Sewer
- Pressure Main
- Branch Sewer
- ▬ Boundary of Service Area (Stage I)

Study on Augmentation of Water Supply and Sanitation  
for the Goa State in the Republic of India

Plan for Sewer Network (F/S)  
Margao (3/5)

Scale: 1:5,000  
No.: S-4



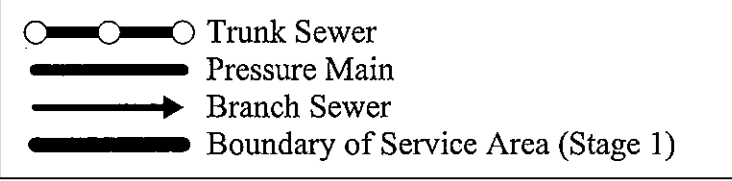
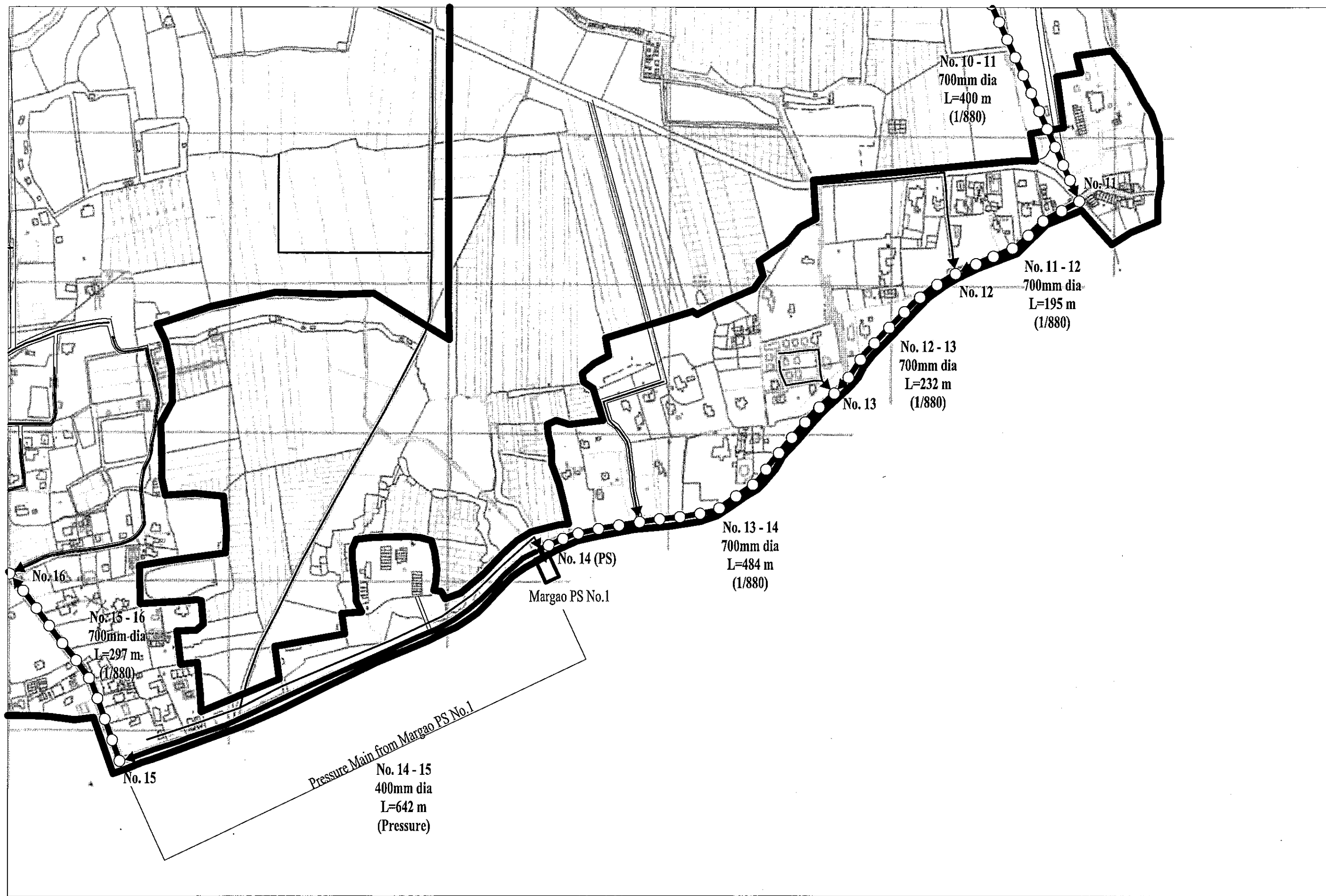
- Trunk Sewer
- ▬ Pressure Main
- ▬→ Branch Sewer
- ▬ Boundary of Service Area (Stage 1)

Study on Augmentation of Water Supply and Sanitation  
for the Goa State in the Republic of India

Plan for Sewer Network (F/S)  
Margao (4/5)

Scale: 1:5,000

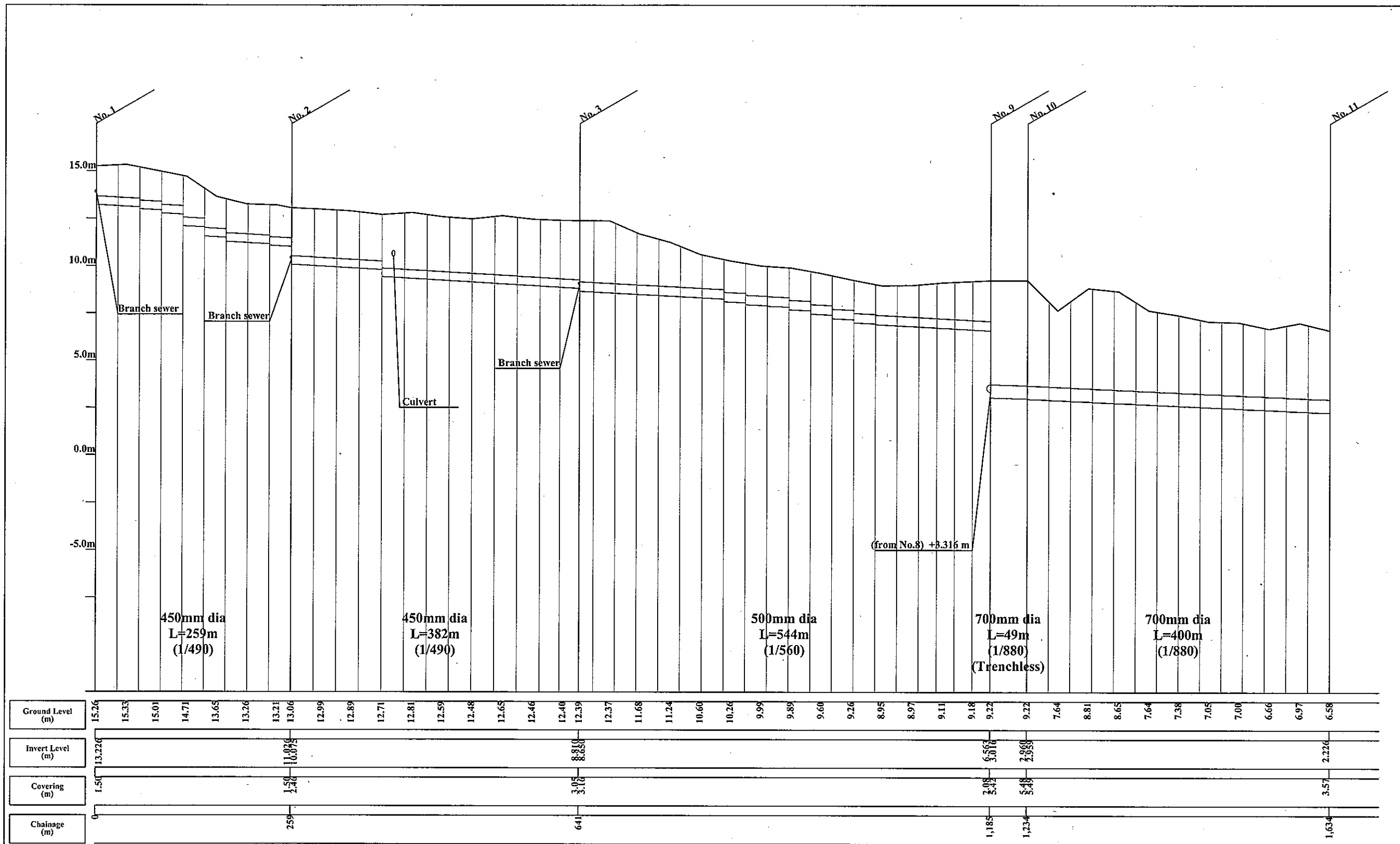
No.: S-5



Study on Augmentation of Water Supply and Sanitation  
for the Goa State in the Republic of India

Plan for Sewer Network (F/S)  
Margao (5/5)

Scale: 1:5,000  
No.: S-6

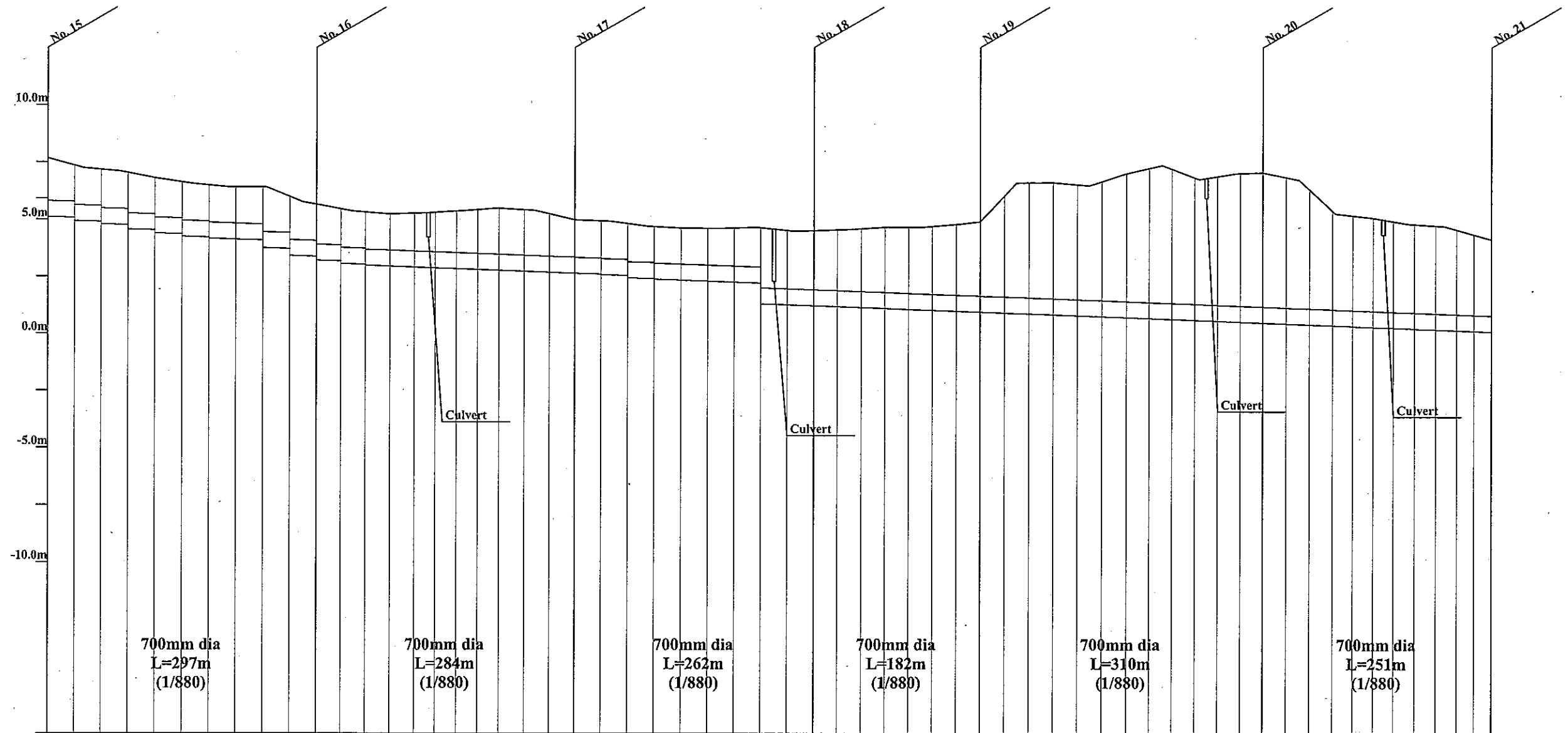


Study on Augmentation of Water Supply and Sanitation  
for the Goa State in the Republic of India

Longitudinal Profile of Trunk Line (F/S) Margao (1/5)	Scale: (H)1:200, (V)1:5,000
	No.: S-7







Ground Level (m)	7.67	7.24	7.10	6.79	6.56	6.41	6.41	5.76	5.65	5.35	5.22	5.27	5.36	5.48	5.38	4.97	4.91	4.69	4.60	4.59	4.63	4.47	4.49	4.54	4.64	4.64	4.77	4.88	6.58	6.59	6.45	6.98	7.35	6.73	6.99	7.03	6.71	5.23	5.06	4.79	4.68	4.22	4.10	
Invert Level (m)	5.106							3.776	3.716							2.821						1.188							0.972	0.972							0.449	0.449					0.054	
Covering (m)	1.78							1.56	1.81							1.56						2.51							3.18	3.18							5.81	5.81					3.27	
Chainage (m)	3,187							3,484								3,768						4,030							4,212								4,522						4,773	

700mm dia  
L=297m  
(1/880)

700mm dia  
L=284m  
(1/880)

700mm dia  
L=262m  
(1/880)

700mm dia  
L=182m  
(1/880)

700mm dia  
L=310m  
(1/880)

700mm dia  
L=251m  
(1/880)

Culvert

Culvert

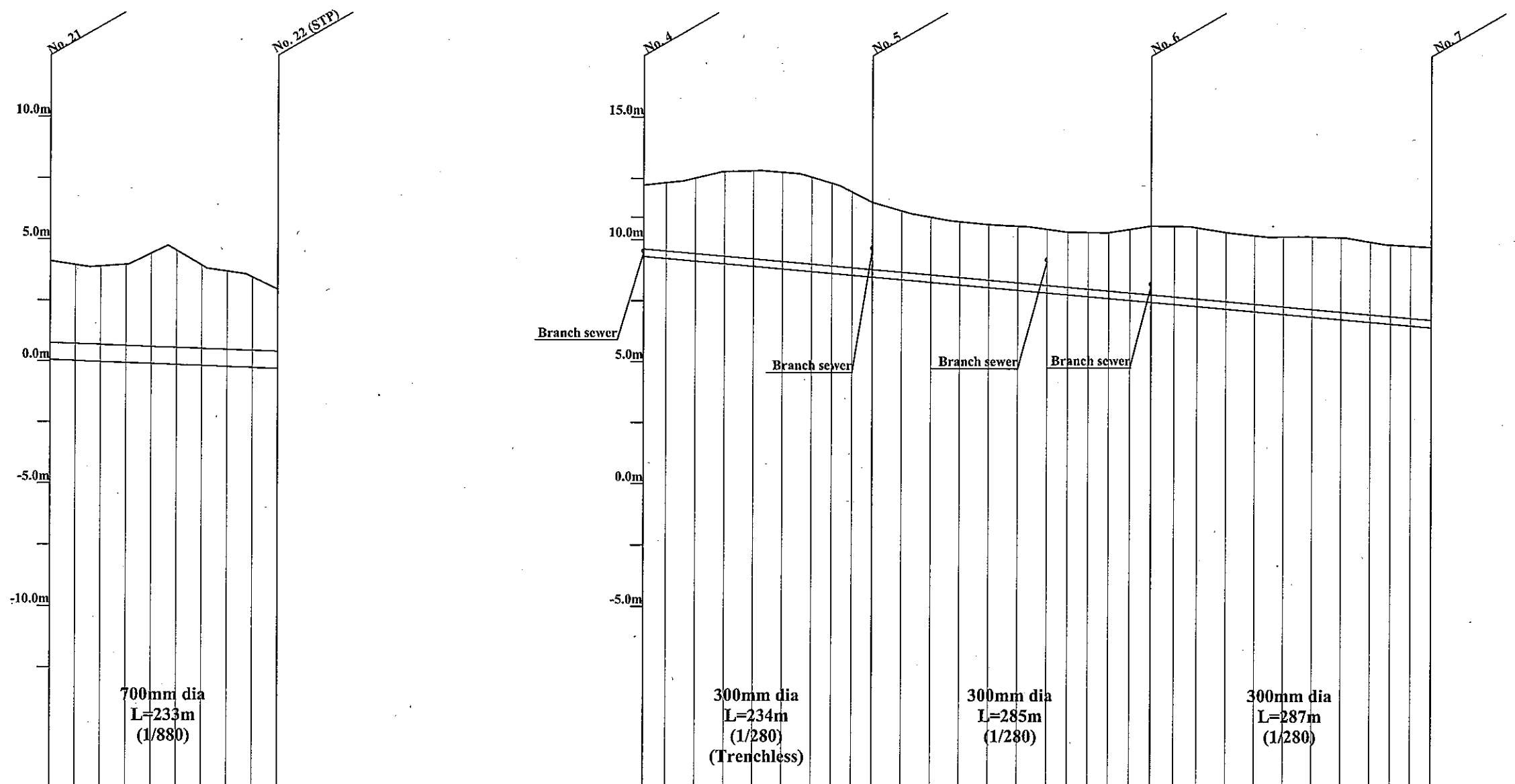
Culvert

Culvert

Study on Augmentation of Water Supply and Sanitation  
for the Goa State in the Republic of India

Longitudinal Profile of Trunk Line (F/S)  
Margao (3/5)

Scale: (H)1:200, (V)1:5,000  
No.: S-9



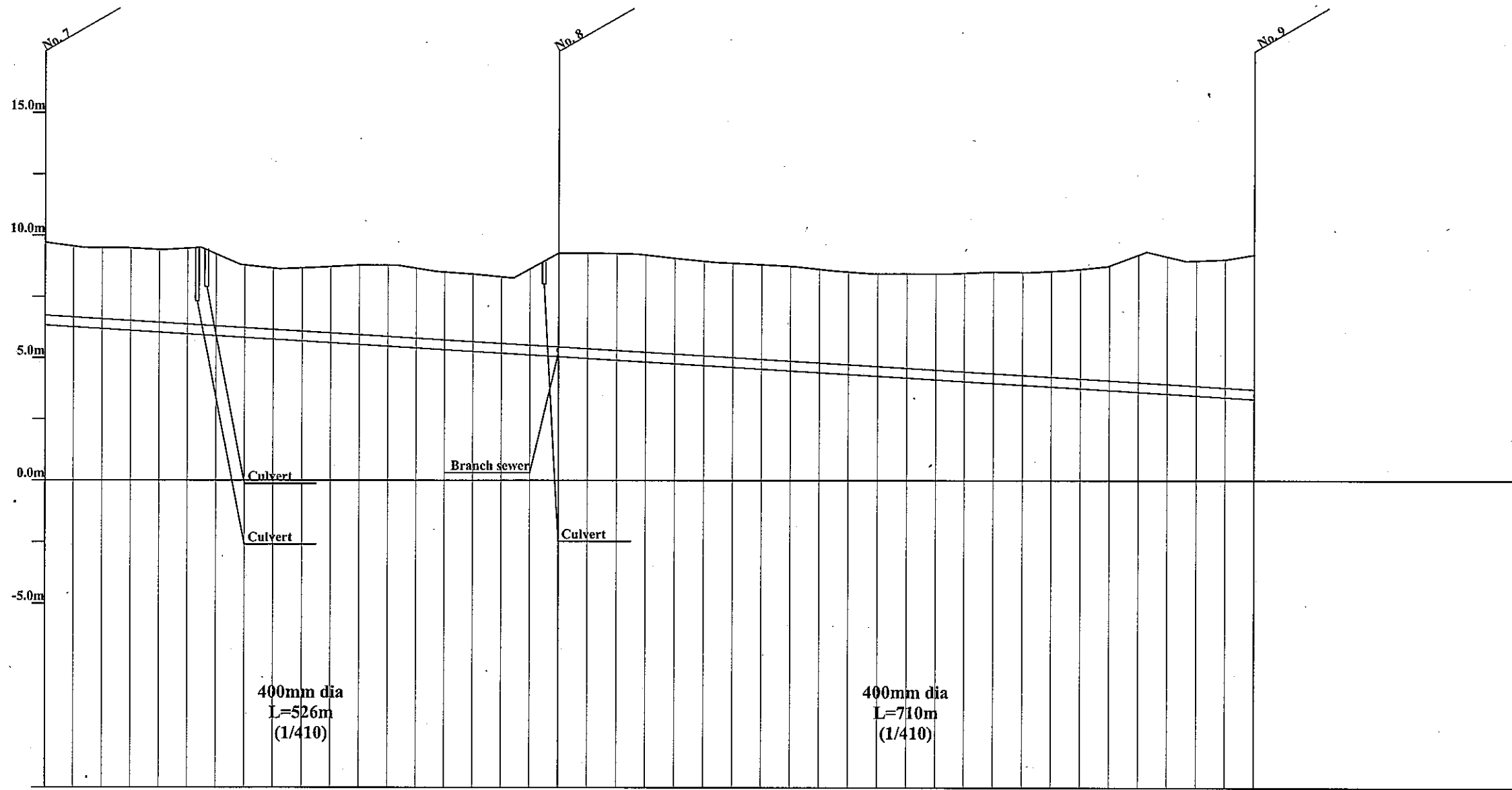
Ground Level (m)	4.10	3.86	3.97	4.75	3.81	3.58	2.90	12.23	12.40	12.77	12.82	12.69	12.22	11.52	11.06	10.78	10.62	10.54	10.32	10.30	10.58	10.55	10.30	10.13	10.15	10.11	9.83	9.72
Invert Level (m)	0.044						-0.300	9.310						8.174							7.458							6.431
Covering (m)	3.28						2.42	2.54						2.67							2.74							2.91
Chainage (m)	4.773						5.006	0						23.4							519						806	

Study on Augmentation of Water Supply and Sanitation  
for the Goa State in the Republic of India

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Longitudinal Profile of Trunk Line (F/S)  
Margao (4/5)

Scale: (H)1:200, (V)1:5,000  
No.: S-10

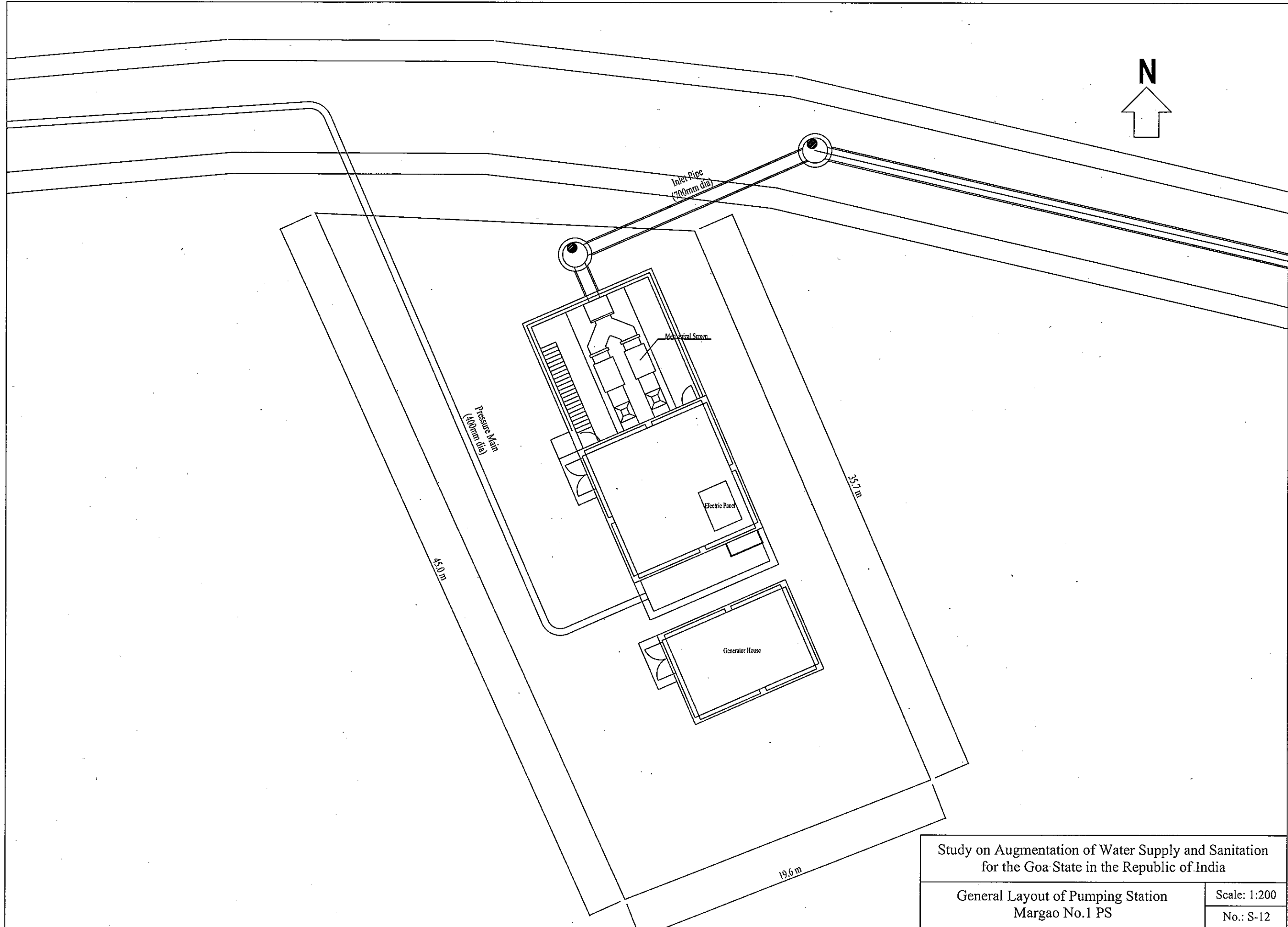


Ground Level (m)	9.72	9.50	9.50	9.41	9.51	8.82	8.64	8.70	8.79	8.80	8.54	8.42	8.27	9.28	9.28	9.25	9.07	8.91	8.83	8.74	8.56	8.44	8.44	8.44	8.52	8.50	8.58	8.74	9.34	8.96	9.02	9.22
Invert Level (m)	6.33													5.048	5.048																	3.316
Covering (m)	2.9													3.73	3.73																	5.42
Chainage (m)	806													1.332																		2.042

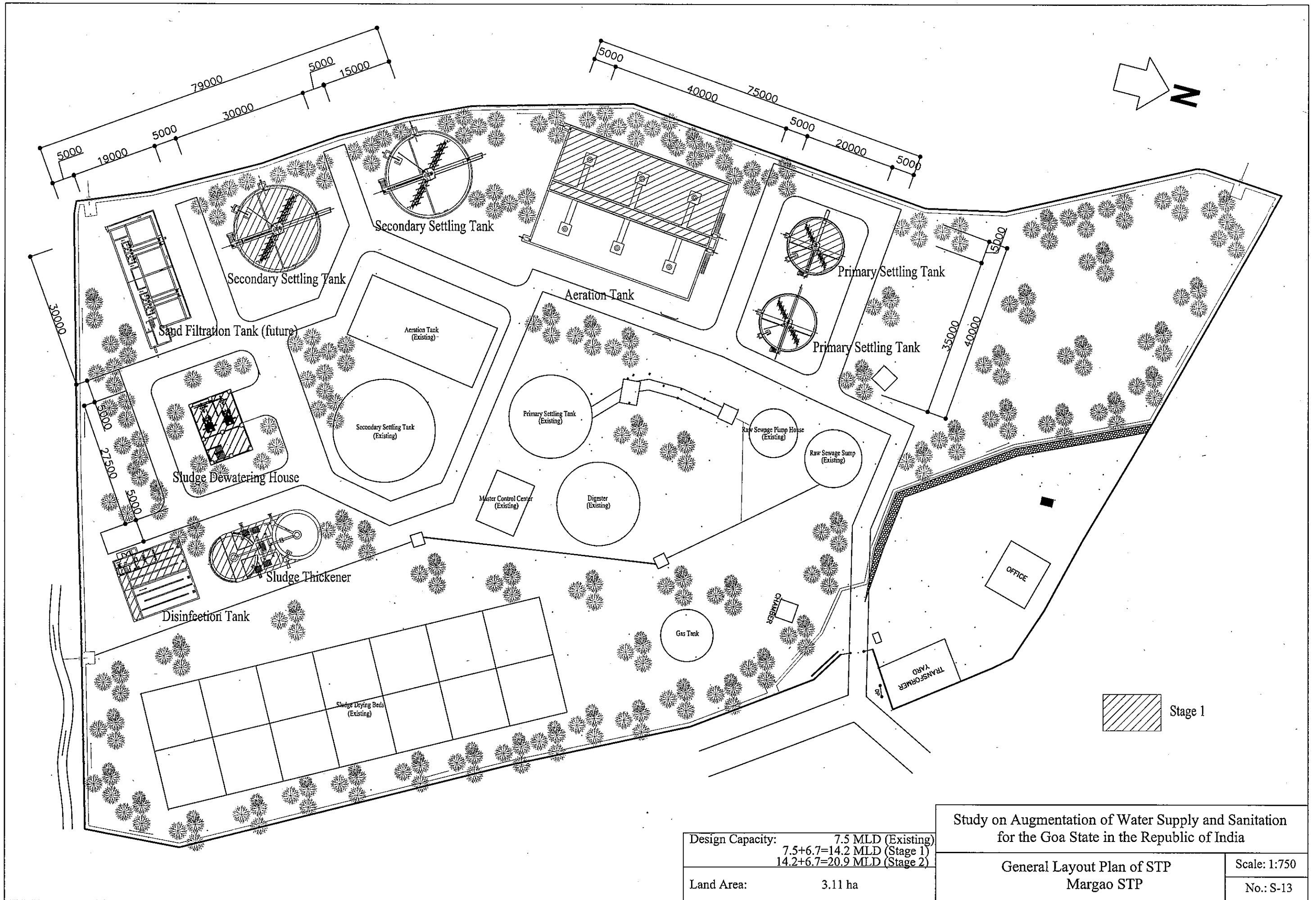
Study on Augmentation of Water Supply and Sanitation  
for the Goa State in the Republic of India

Longitudinal Profile of Trunk Line (F/S)  
Margao (5/5)

Scale: (H)1:200, (V)1:5,000  
No.: S-11



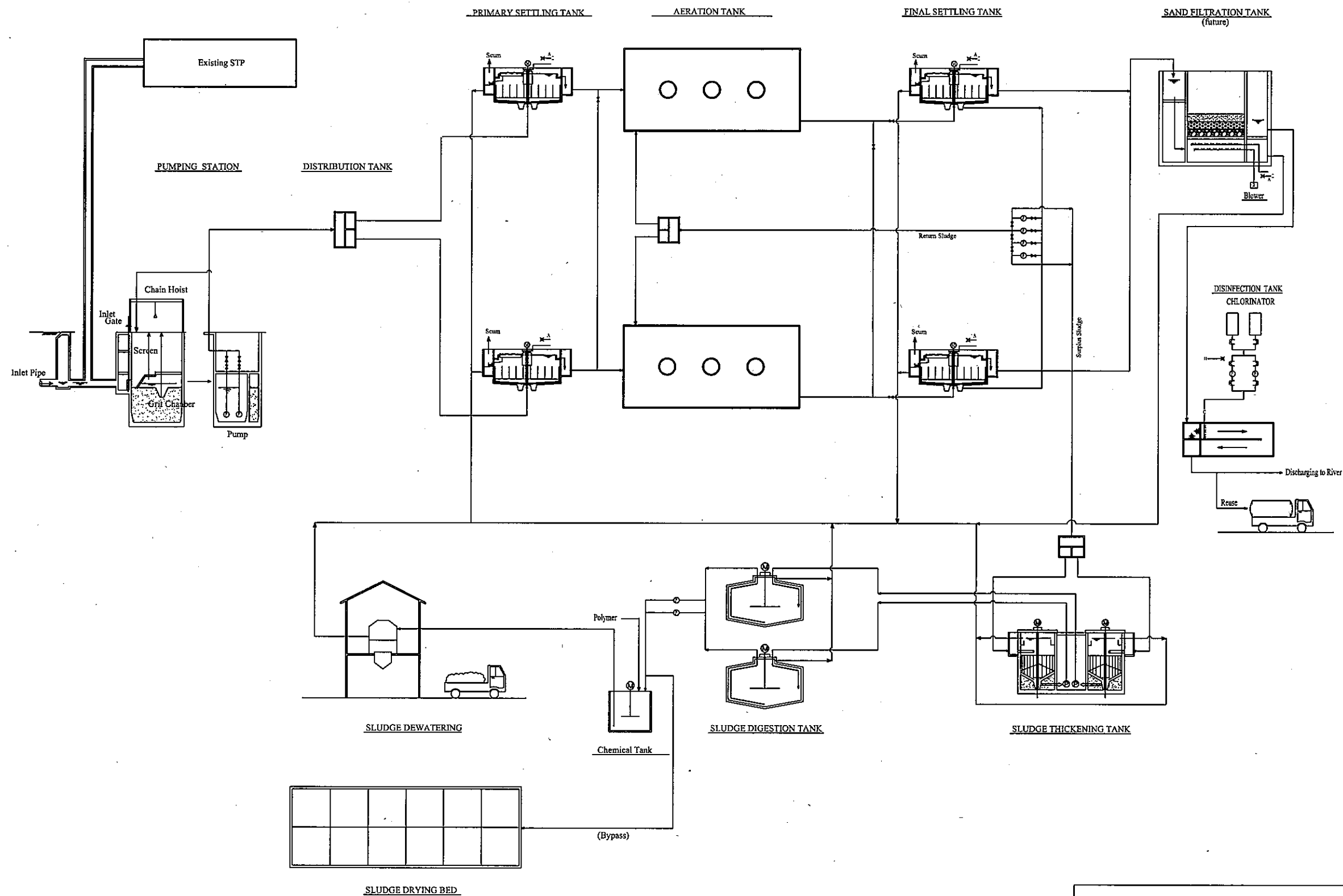
Study on Augmentation of Water Supply and Sanitation for the Goa State in the Republic of India	
General Layout of Pumping Station Margao No.1 PS	Scale: 1:200
	No.: S-12



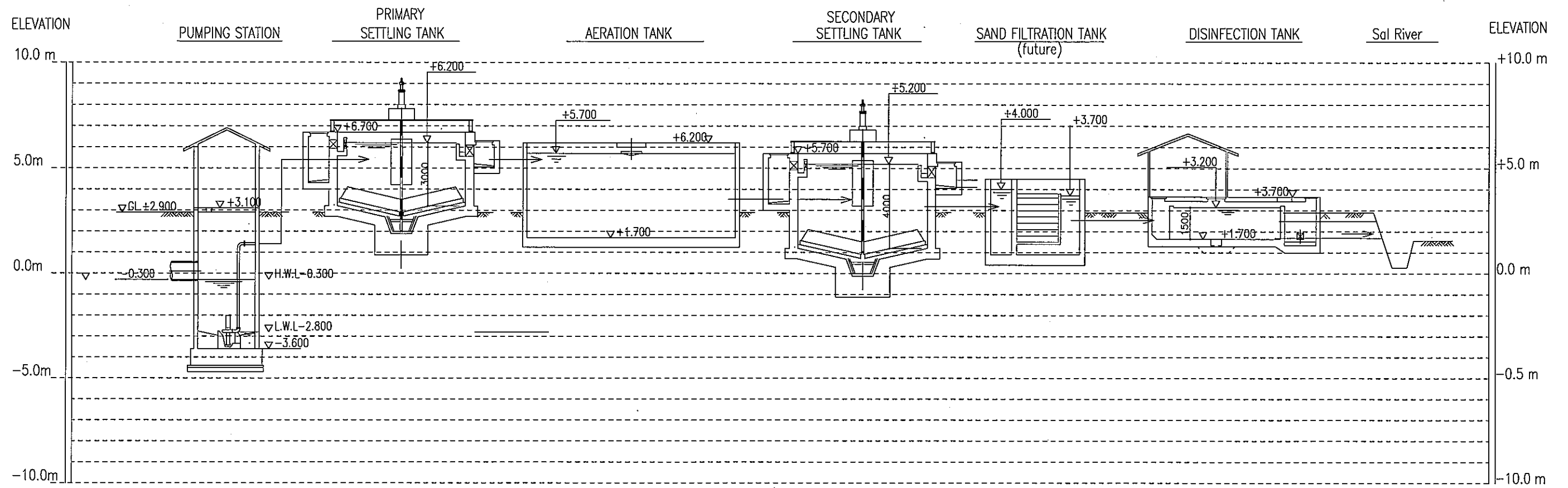
Design Capacity:	7.5 MLD (Existing)
	7.5+6.7=14.2 MLD (Stage 1)
	14.2+6.7=20.9 MLD (Stage 2)
Land Area:	3.11 ha

Study on Augmentation of Water Supply and Sanitation for the Goa State in the Republic of India	
General Layout Plan of STP Margao STP	
Scale: 1:750	No.: S-13

PROCESS DIAGRAM OF STP



Study on Augmentation of Water Supply and Sanitation for the Goa State in the Republic of India	
Process Diagram of STP Margo STP	Scale:
	No.: S-14



Study on Augmentation of Water Supply and Sanitation  
for the Goa State in the Republic of India

Hydraulic Profile of STP  
Margao STP

Scale: 1:200

No.: S-15