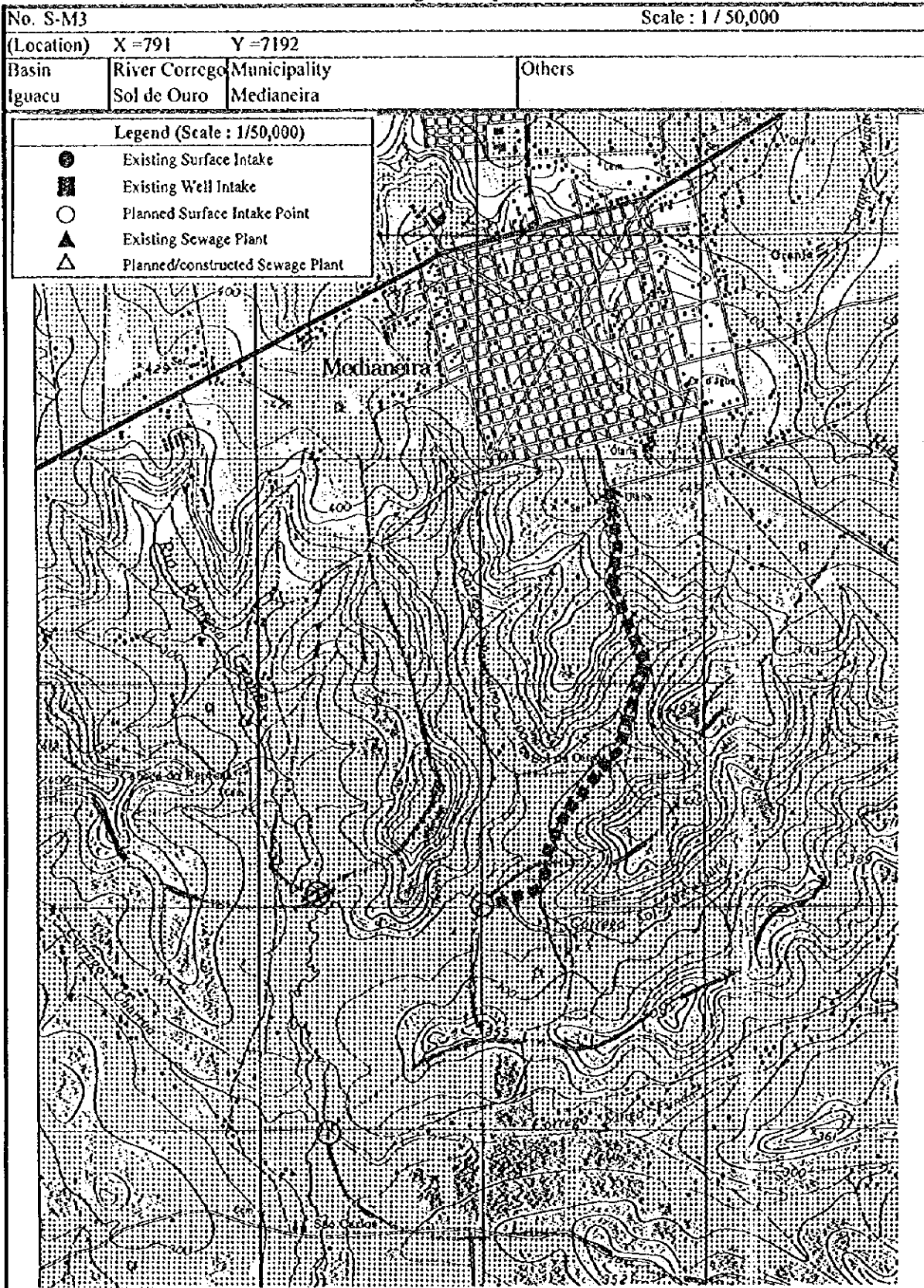


Location of Planning Development Points

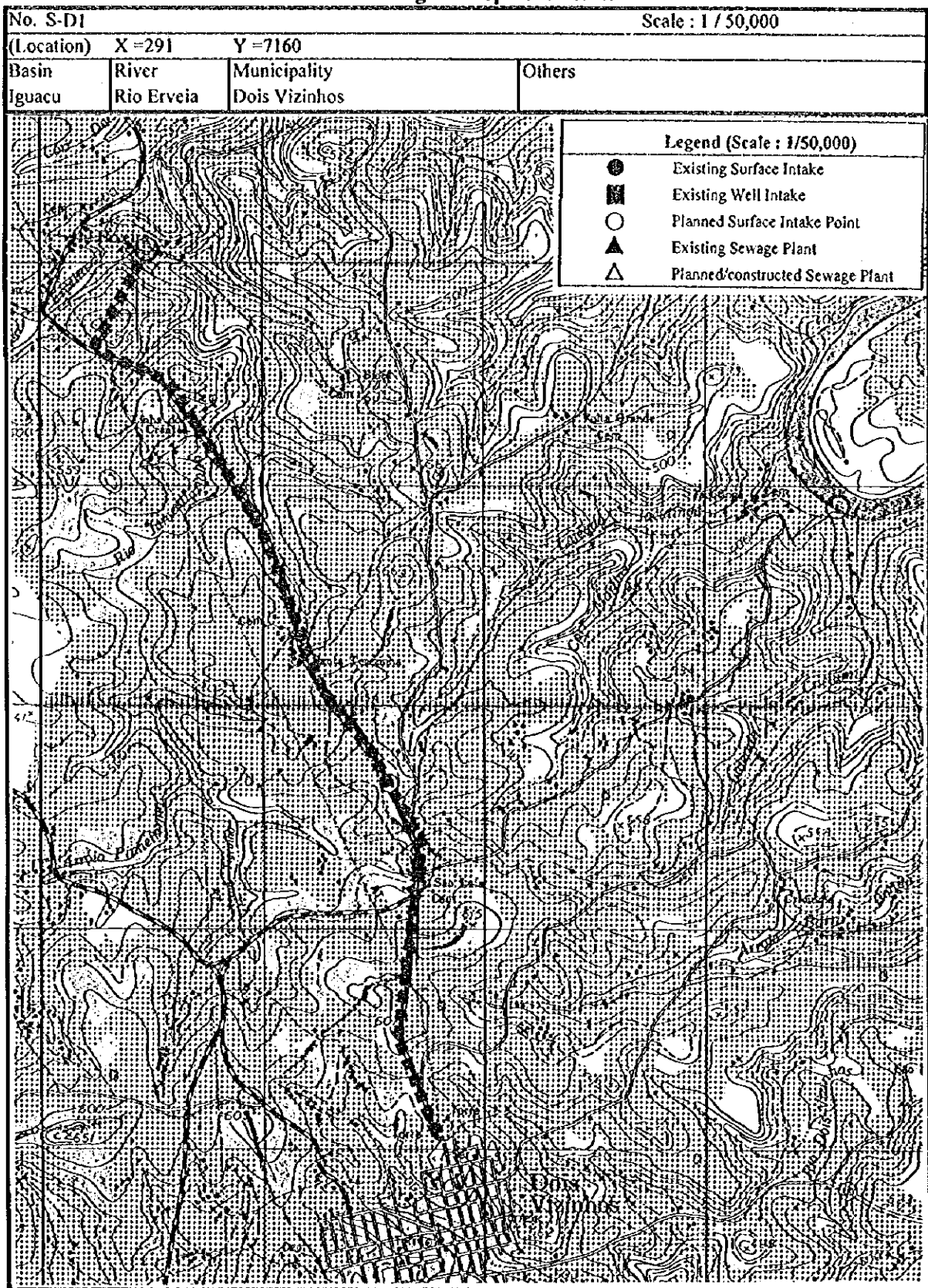


Description of Planning Development Points

No. S-D1					
(Location)		X=291	Y=7160		
Basin	River	Municipality		Others	
Iguacu	Rio Erveia	Dois Vizinhos			
(Description of Development Method)					
Development Method	$Q_{10.7} \times 50\%$	Catchment Area	Supply Area	Supply house	Target Year
Direct Intake	0.035 (m ³ /sec)	55.7 (km ²)	(km ²)	(houses)	
(Topographic Condition)					
EL.	Width	Riverbed	Riverbed Gradient	Foundation type/Others	
420 (m)	(m)				
(Land Use /Preservation Characteristics, at effected area of future reservoir)					
House	Agriculture	Industry	Others		
(Description of Facility)					
Height	Length	Crest EL.	Volume	Others	
(m)	(m)	(m)	(m ³)		
(Description of Pipeline)					
Head	Length	Diameter	Pumping capacity	Others	
140 (m)	9,700 (m)	(mm)	(kw)		

The graph plots Elevation (EL) in meters against Distance in meters. The y-axis ranges from 200 to 600 meters in increments of 100. The x-axis ranges from 0 to 8800 meters with major ticks at 0, 900, 4600, 5500, 6700, 7800, and 8800. The elevation starts at approximately 400m at 0m distance, rises to 500m at 900m, dips to 450m at 4600m, rises to 550m at 5500m, remains at 550m until 6700m, rises to 600m at 7800m, stays at 600m until 8000m, and then drops to 550m at 8800m.

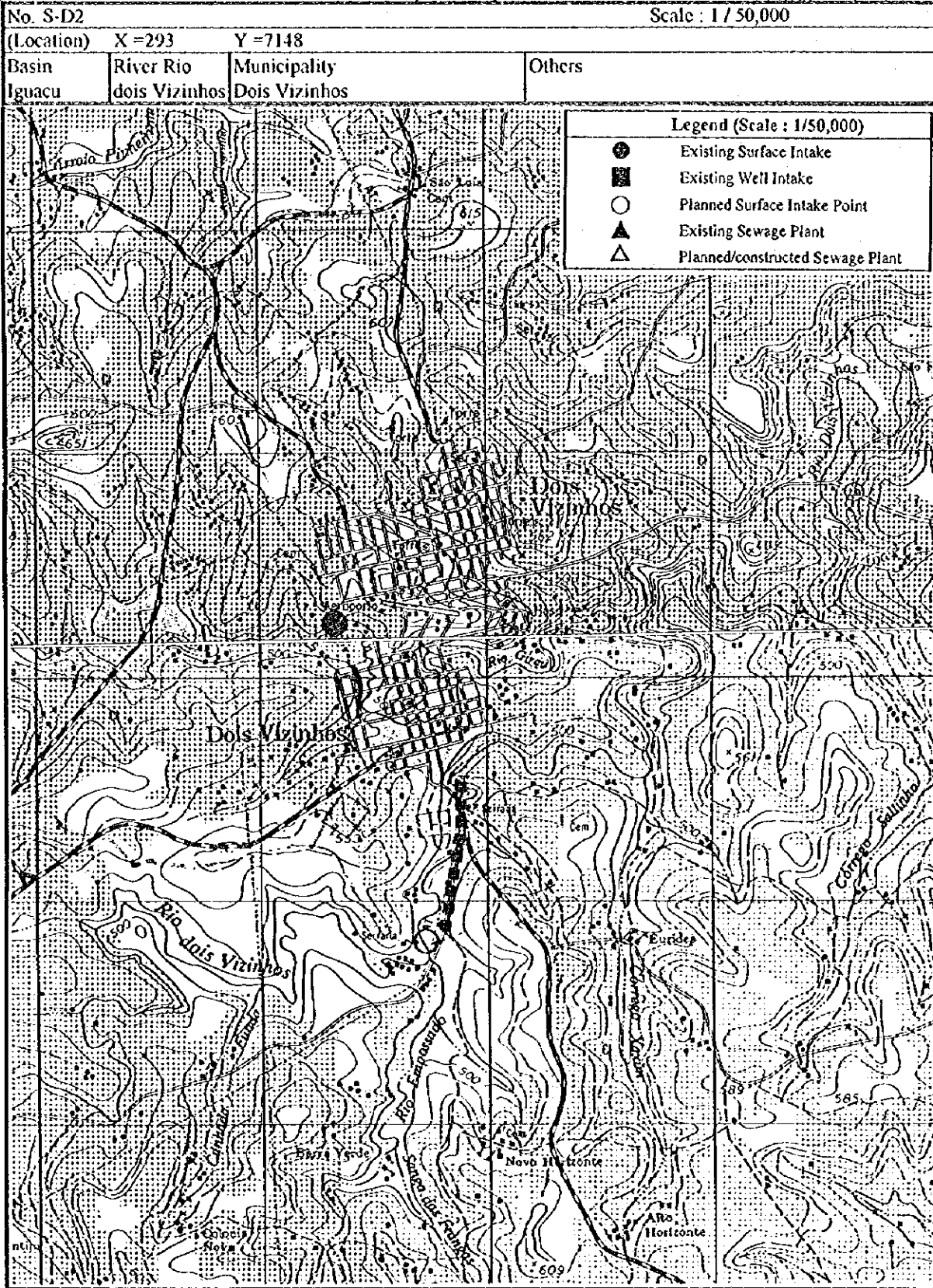
Location of Planning Development Points



Description of Planning Development Points

No. S-D2					
(Location) X=293 Y=7148					
Basin	River	Municipality		Others	
Iguacu	Rio dois Vizinhos	Dois Vizinhos			
(Description of Development Method)					
Development Method	$Q_{10.7} \times 50\%$	Catchment Area	Supply Area	Supply house	Target Year
Direct Intake	0.055 (m ³ /sec)	87.7 (km ²)	(km ²)	(houses)	
(Topographic Condition)					
EL.	Width	Riverbed	Riverbed Gradient	Foundation type/Others	
480 (m)	(m)				
(Land Use /Preservation Characteristics, at effected area of future reservoir)					
House	Agriculture	Industry	Others		
(Description of Facility)					
Height	Length	Crest EL.	Volume	Others	
(m)	(m)	(m)	(m ³)		
(Description of Pipeline)					
Head	Length	Diameter	Pumping capacity	Others	
20 (m)	1,100 (m)	(mm)	(kw)		
<p>The graph plots Elevation (m) against Distance (m). The y-axis has major ticks at 400, 450, and 500. The x-axis has major ticks at 0, 600, and 1100. The data points are approximately (0, 480), (600, 480), and (1100, 500). The line is horizontal from 0 to 600m and then slopes upward to 500m at 1100m.</p>					

Location of Planning Development Points

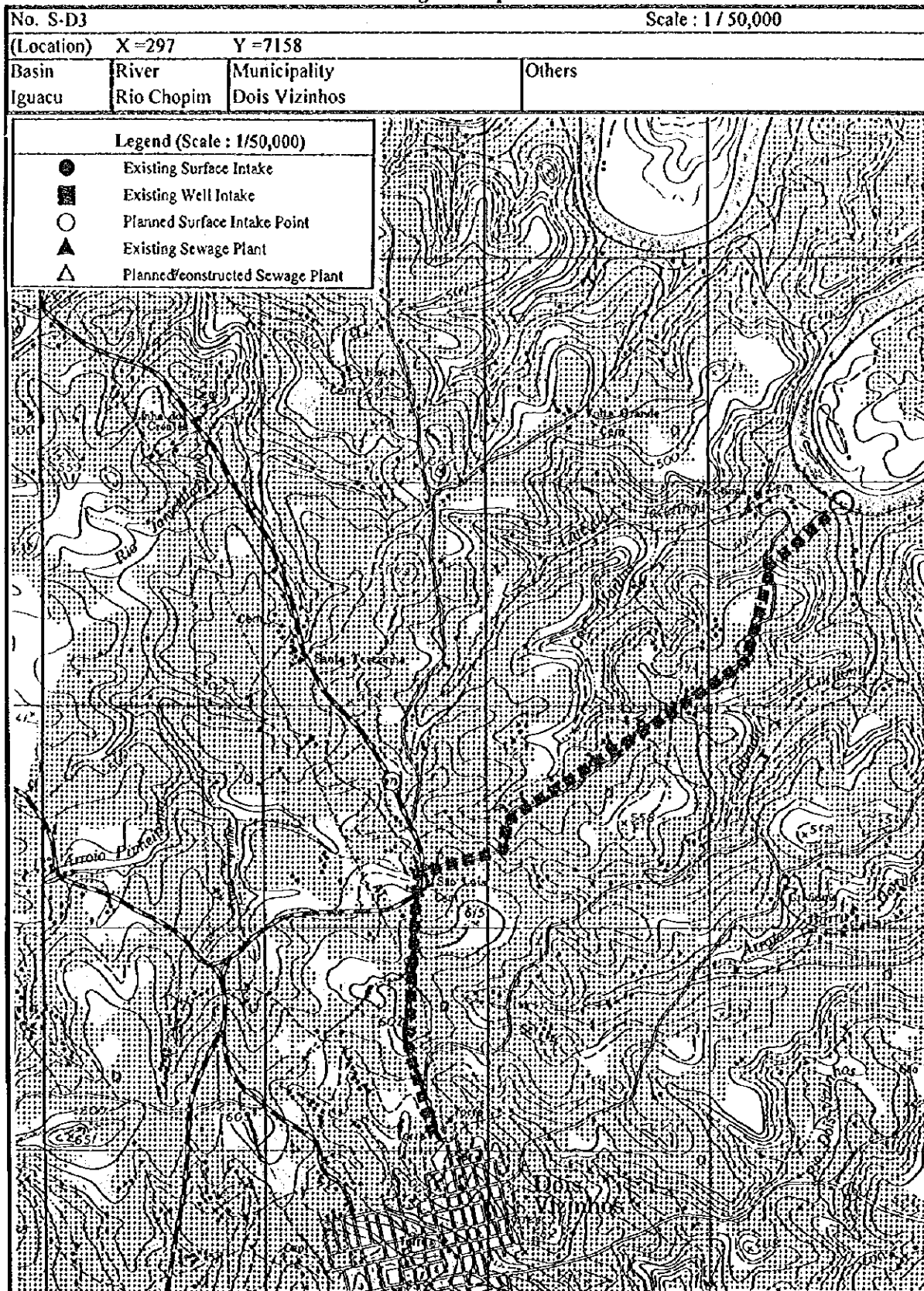


P-IGUACU.XLSMap

Description of Planning Development Points

No. S-D3																							
(Location)		X=297	Y=7158																				
Basin	River	Municipality		Others																			
Iguacu	Rio Chopim	Dois Vizinhas																					
(Description of Development Method)																							
Development Method	$Q_{10.7} \times 50\%$	Catchment Area	Supply Area	Supply house	Target Year																		
Direct Intake	(m ³ /sec)	4050 (km ²)	(km ²)	(houses)																			
(Topographic Condition)																							
EL.	Width	Riverbed	Riverbed Gradient	Foundation type/Others																			
380 (m)	(m)																						
(Land Use /Preservation Characteristics, at effected area of future reservoir)																							
House	Agriculture	Industry	Others																				
(Description of Facility)																							
Height	Length	Crest EL.	Volume	Others																			
(m)	(m)	(m)	(m ³)																				
(Description of Pipeline)																							
Head	Length	Diameter	Pumping capacity	Others																			
180 (m)	7,500 (m)	(mm)	(kw)																				
<table border="1" style="margin: 10px auto; border-collapse: collapse;"> <caption>Data points for the Elevation vs. Distance graph</caption> <thead> <tr> <th>Distance (m)</th> <th>Elevation (EL.) (m)</th> </tr> </thead> <tbody> <tr><td>0</td><td>380</td></tr> <tr><td>900</td><td>500</td></tr> <tr><td>1500</td><td>500</td></tr> <tr><td>2300</td><td>500</td></tr> <tr><td>2700</td><td>500</td></tr> <tr><td>3800</td><td>500</td></tr> <tr><td>5600</td><td>600</td></tr> <tr><td>6600</td><td>550</td></tr> </tbody> </table>						Distance (m)	Elevation (EL.) (m)	0	380	900	500	1500	500	2300	500	2700	500	3800	500	5600	600	6600	550
Distance (m)	Elevation (EL.) (m)																						
0	380																						
900	500																						
1500	500																						
2300	500																						
2700	500																						
3800	500																						
5600	600																						
6600	550																						

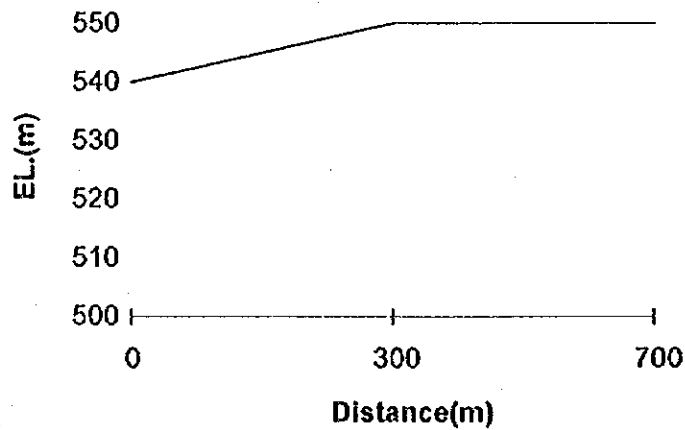
Location of Planning Development Points



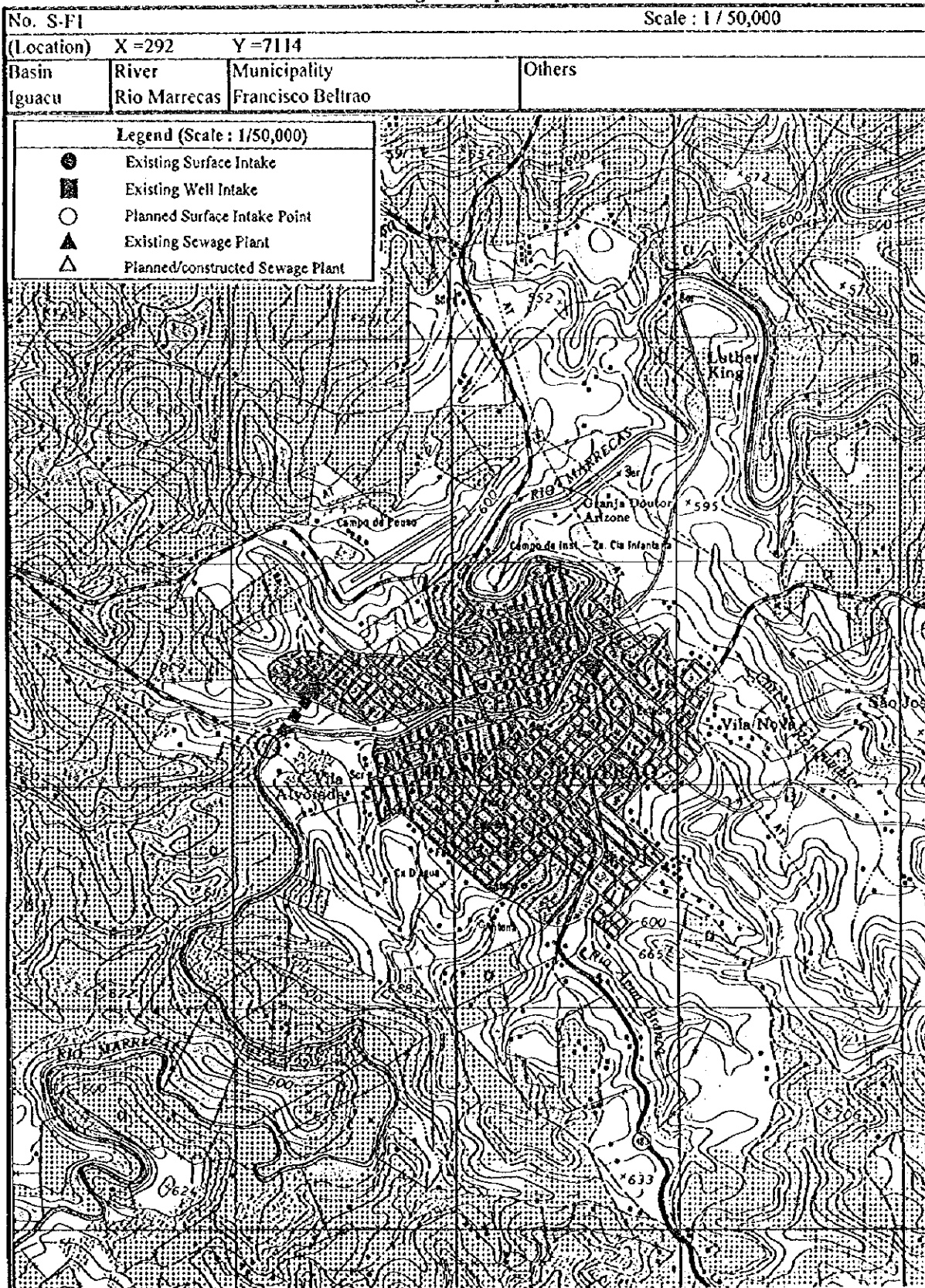
P-IGUACU.XLSMap

Description of Planning Development Points

No. S-F1					
(Location)		X=292	Y=7114		
Basin	River	Municipality		Others	
Iguacu	Rio Marrecas	Francisco Beltrao			
(Description of Development Method)					
Development Method	Q_{10.7} x 50 %	Catchment Area	Supply Area	Supply house	Target Year
Direct Intake	0.74 (m ³ /sec)	437 (km ²)	(km ²)	(houses)	
(Topographic Condition)					
EL.	Width	Riverbed	Riverbed Gradient	Foundation type/Others	
540 (m)	(m)				
(Land Use /Preservation Characteristics, at effected area of future reservoir)					
House	Agriculture	Industry	Others		
(Description of Facility)					
Height	Length	Crest EL.	Volume	Others	
(m)	(m)	(m)	(m ³)		
(Description of Pipeline)					
Head	Length	Diameter	Pumping capacity	Others	
10 (m)	700 (m)	(mm)	(kw)		



Location of Planning Development Points

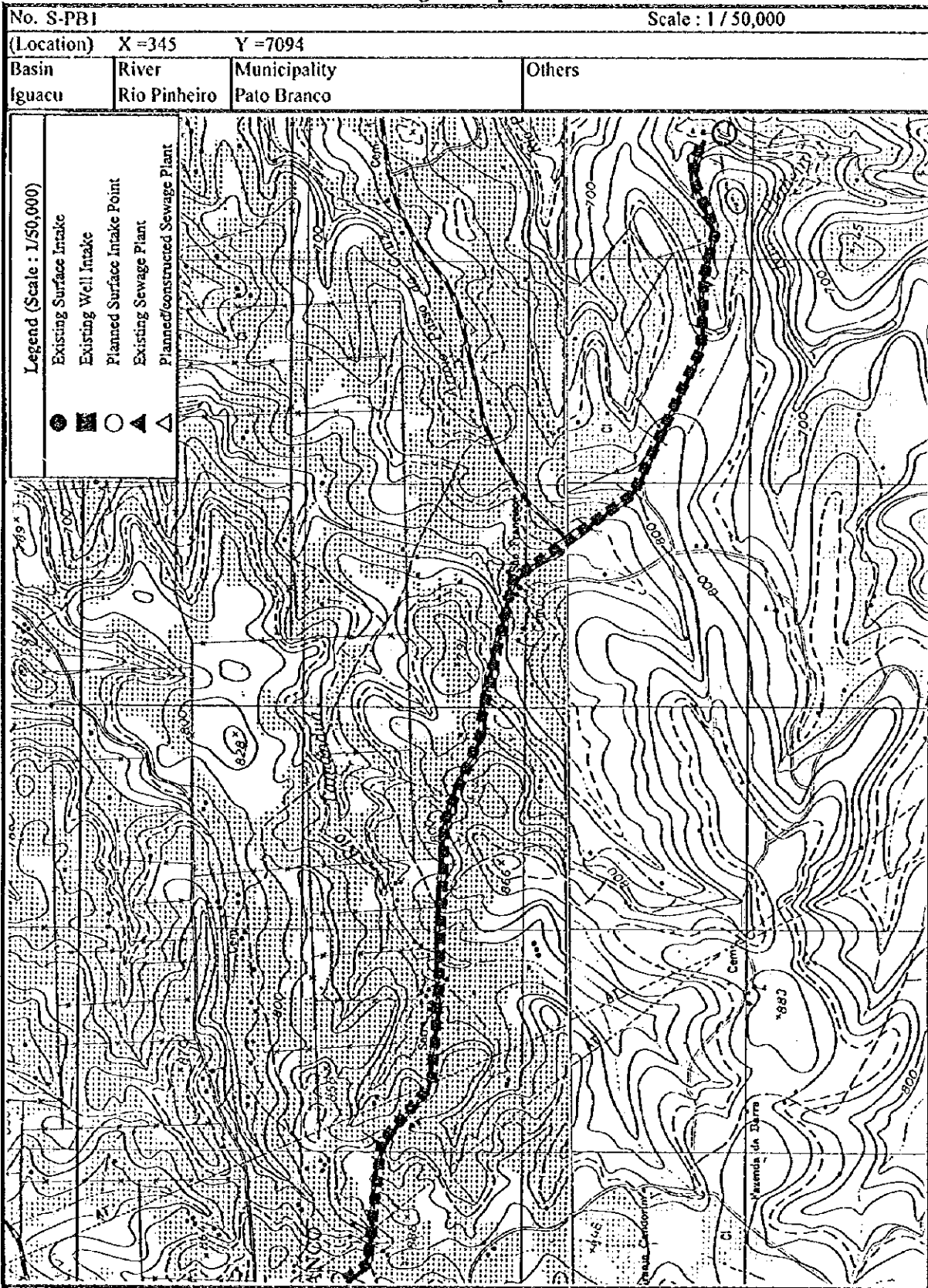


P-IGUACU.XLSMap

Description of Planning Development Points

No. S-PBI					
(Location)		X=345	Y=7094		
Basin	River	Municipality		Others	
Iguacu	Rio Pinheiro	Pato Branco			
(Description of Development Method)					
Development Method	$Q_{10.7} \times 50 \%$	Catchment Area	Supply Area	Supply house	Target Year
Direct Intake	0.32 (m ³ /sec)	175.8 (km ²)	(km ²)	(houses)	
(Topographic Condition)					
EL.	Width	Riverbed	Riverbed Gradient	Foundation type/Others	
650 (m)	(m)				
(Land Use /Preservation Characteristics, at effected area of future reservoir)					
House	Agriculture	Industry	Others		
(Description of Facility)					
Height	Length	Crest EL.	Volume	Others	
(m)	(m)	(m)	(m ³)		
(Description of Pipeline)					
Head	Length	Diameter	Pumping capacity	Others	
200 (m)	12,200 (m)	(mm)	(kw)		

Location of Planning Development Points



P-IGUACU.XLSMap

Description of Planning Development Points

No. S-PB2					
(Location) X=340 Y=7089					
Basin	River	Municipality	Others		
Iguacu	Rio Pato Branco	Pato Branco			
(Description of Development Method)					
Development Method	Q _{10.7} x 50 %	Catchment Area	Supply Area	Supply house	Target Year
Direct Intake	0.14 (m ³ /sec)	75.8 (km ²)	(km ²)	(houses)	
(Topographic Condition)					
EL.	Width	Riverbed	Riverbed Gradient	Foundation type/Others	
680 (m)	(m)				
(Land Use /Preservation Characteristics, at effected area of future reservoir)					
House	Agriculture	Industry	Others		
(Description of Facility)					
Height	Length	Crest EL.	Volume	Others	
(m)	(m)	(m)	(m ³)		
(Description of Pipeline)					
Head	Length	Diameter	Pumping capacity	Others	
170 (m)	12,500 (m)	(mm)	(kw)		

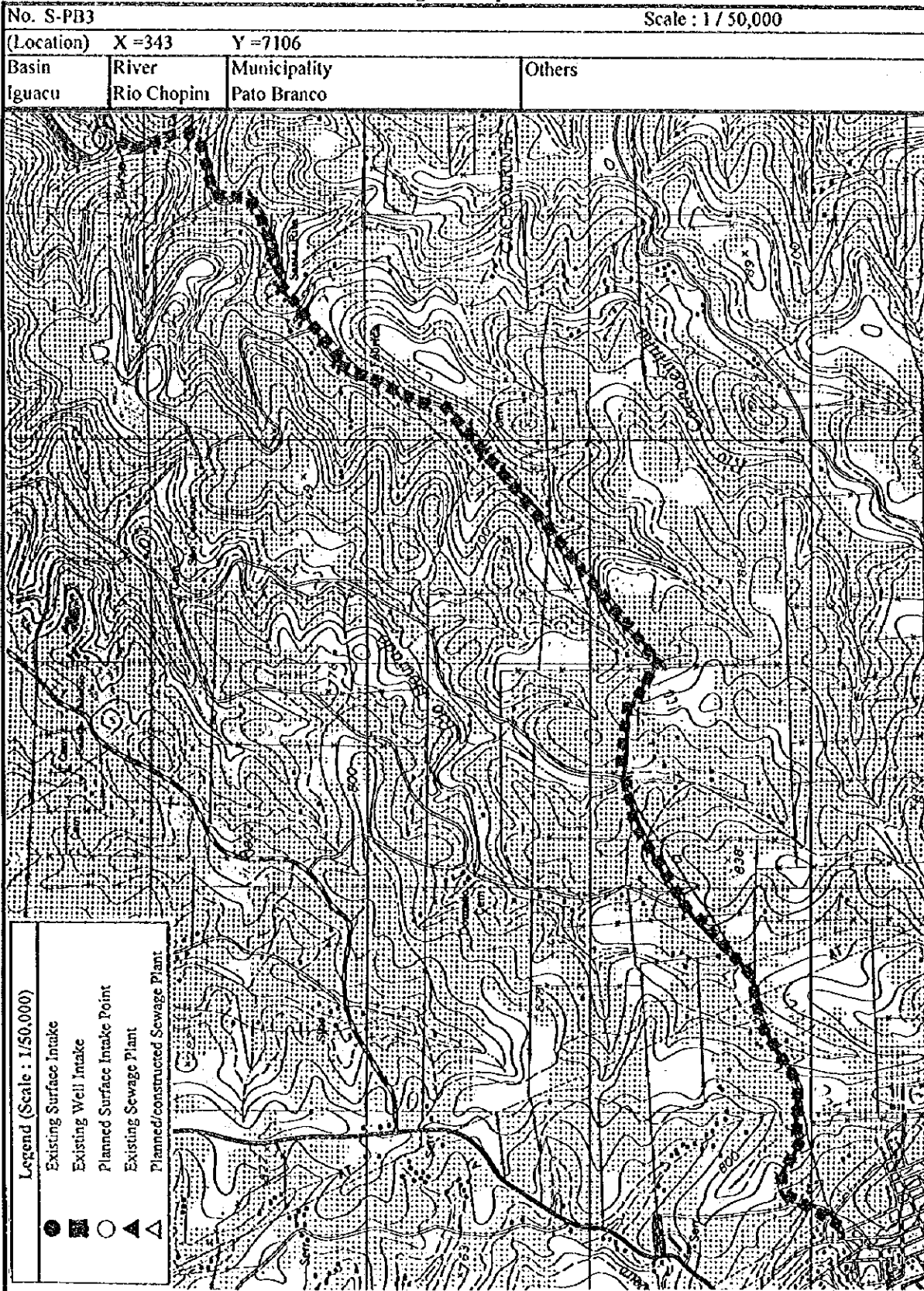
Location of Planning Development Points



Description of Planning Development Points

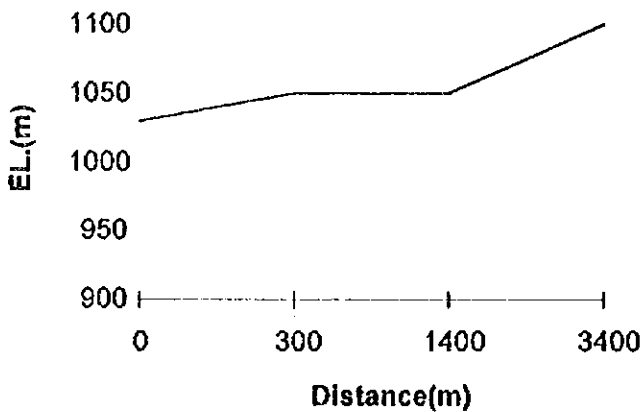
No. S-PB3					
(Location)		X=343	Y=7106		
Basin	River	Municipality		Others	
Iguacu	Rio Chopim	Pato Branco			
(Description of Development Method)					
Development Method	$Q_{10,7} \times 50\%$	Catchment Area	Supply Area	Supply house	Target Year
Direct Intake	5.1 (m ³ /sec)	2816.7 (km ²)	(km ²)	(houses)	
(Topographic Condition)					
EL.	Width	Riverbed	Riverbed Gradient	Foundation type/Others	
540 (m)	(m)				
(Land Use /Preservation Characteristics, at effected area of future reservoir)					
House	Agriculture	Industry	Others		
(Description of Facility)					
Height	Length	Crest EL.	Volume	Others	
(m)	(m)	(m)	(m ³)		
(Description of Pipeline)					
Head	Length	Diameter	Pumping capacity	Others	
240 (m)	12,600 (m)	(mm)	(kw)		
<p style="text-align: center;">Distance(m)</p>					

Location of Planning Development Points

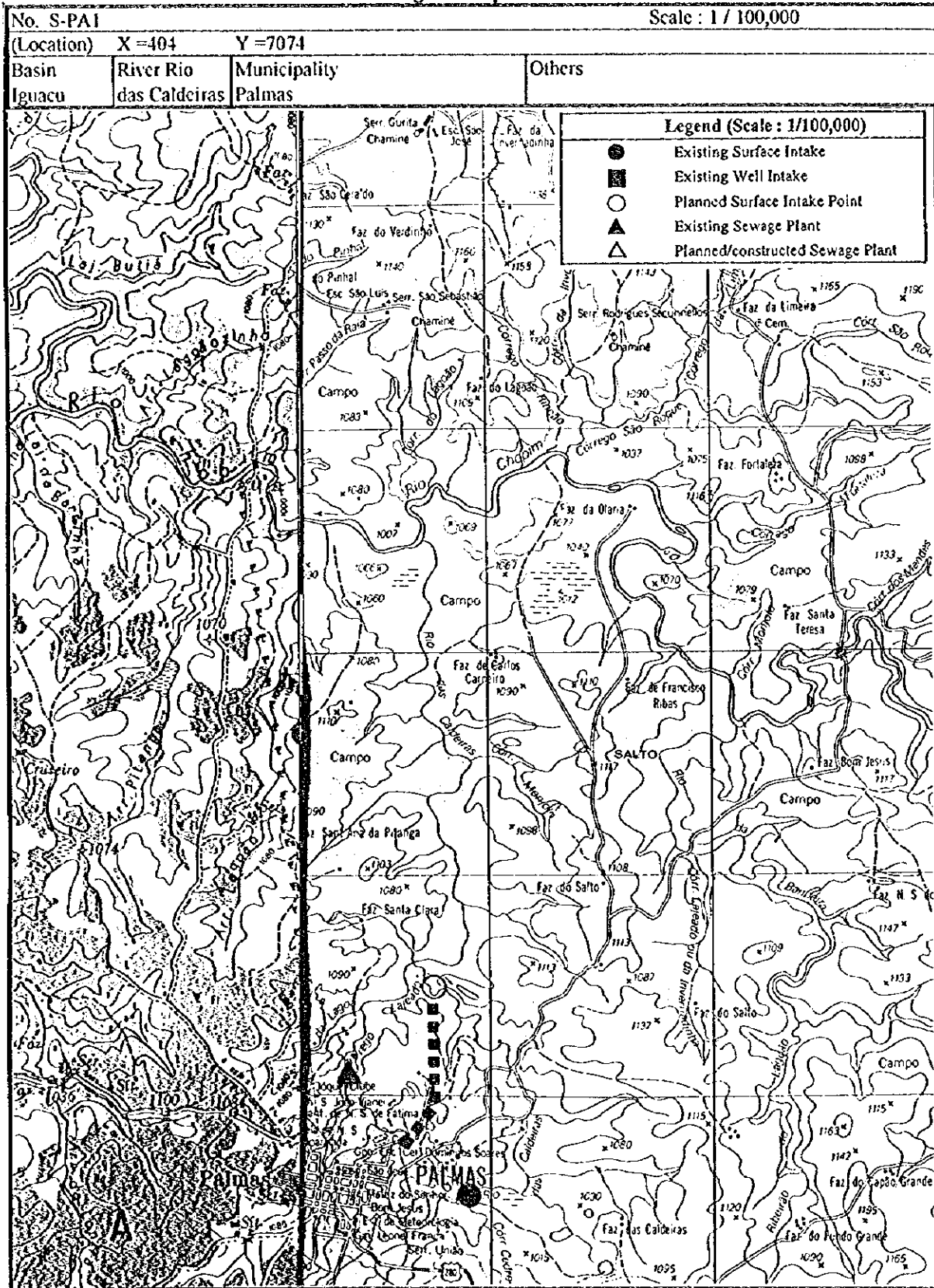


P-IGUACU.XLSMap

Description of Planning Development Points

No. S-PA1					
(Location)		X=404	Y=7074		
Basin	River	Municipality		Others	
Iguacu	Rio das Caldeiras	Palmas			
(Description of Development Method)					
Development Method	$Q_{10,7} \times 50 \%$	Catchment Area	Supply Area	Supply house	Target Year
Direct Intake	0.12 (m ³ /sec)	83.7 (km ²)	(km ²)	(houses)	
(Topographic Condition)					
EL.	Width	Riverbed	Riverbed Gradient	Foundation type/Others	
1,030 (m)	(m)				
(Land Use /Preservation Characteristics, at effected area of future reservoir)					
House	Agriculture	Industry	Others		
(Description of Facility)					
Height	Length	Crest EL.	Volume	Others	
(m)	(m)	(m)	(m ³)		
(Description of Pipeline)					
Head	Length	Diameter	Pumping capacity	Others	
70 (m)	3,400 (m)	(mm)	(kw)		
					

Location of Planning Development Points

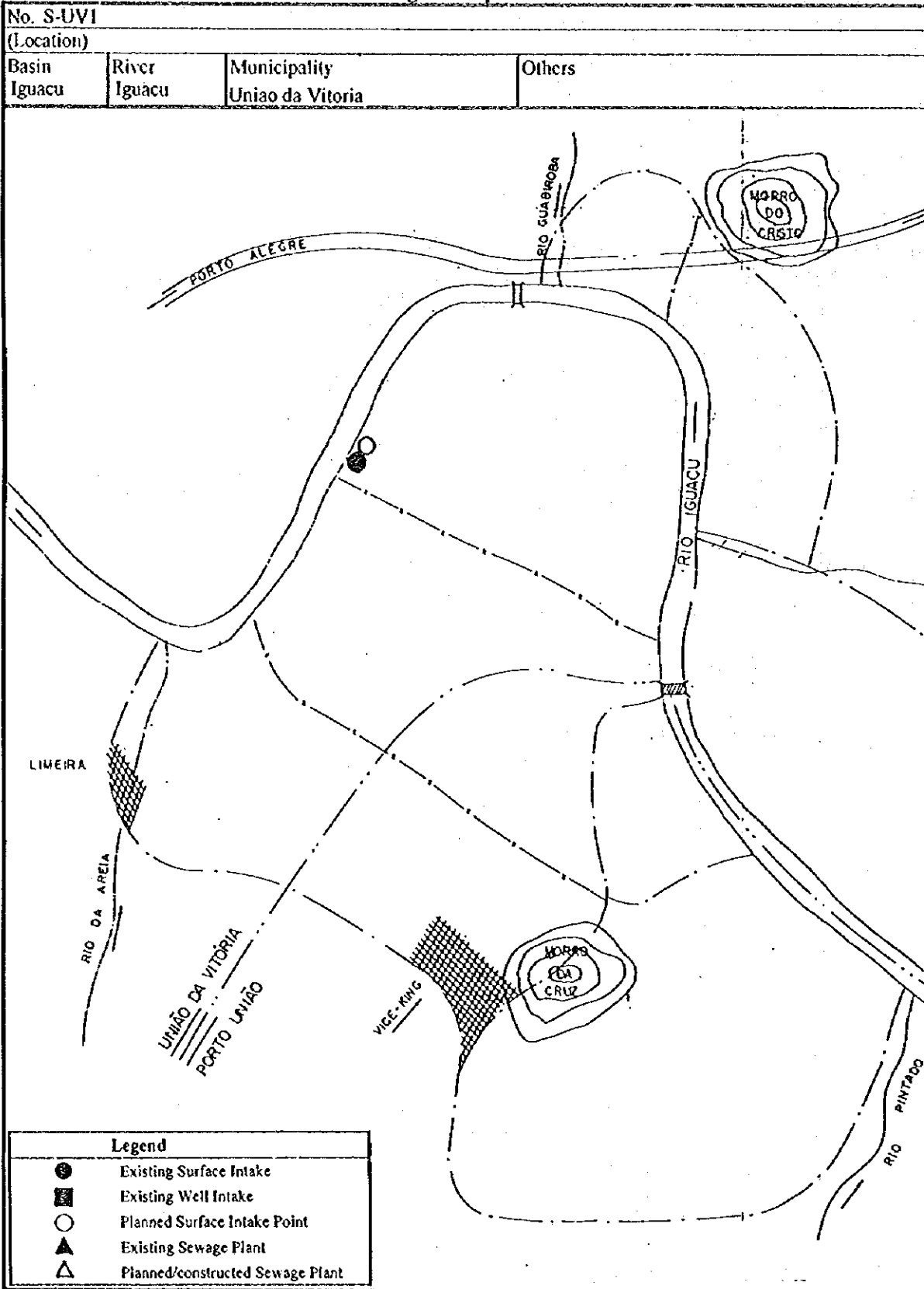


P-IGUACU.XLSMap

Description of Planning Development Points

No. S-UVI					
(Location) X= Y=					
Basin	River	Municipality	Others		
Iguacu	Iguacu	Uniao da Vitoria			
(Description of Development Method)					
Development Method	Q _{10,7} x 50 %	Catchment Area	Supply Area	Supply house	Target Year
Direct Intake	20.57 (m ³ /sec)	24,414 (km ²)	(km ²)	(houses)	
(Topographic Condition)					
EL.	Width	Riverbed	Riverbed Gradient	Foundation type/Others	
(m)	(m)				
(Land Use /Preservation Characteristics, at effected area of future reservoir)					
House	Agriculture	Industry	Others		
(Description of Facility)					
Height	Length	Crest EL.	Volume	Others	
(m)	(m)	(m)	(m ³)		
(Description of Pipeline)					
Head	Length	Diameter	Pumping capacity	Others	
10 (m)	200 (m)	(mm)	(kw)		
Increase of Existing Intake System					

Location of Planning Development Points



P-IGUACU.XLSMap