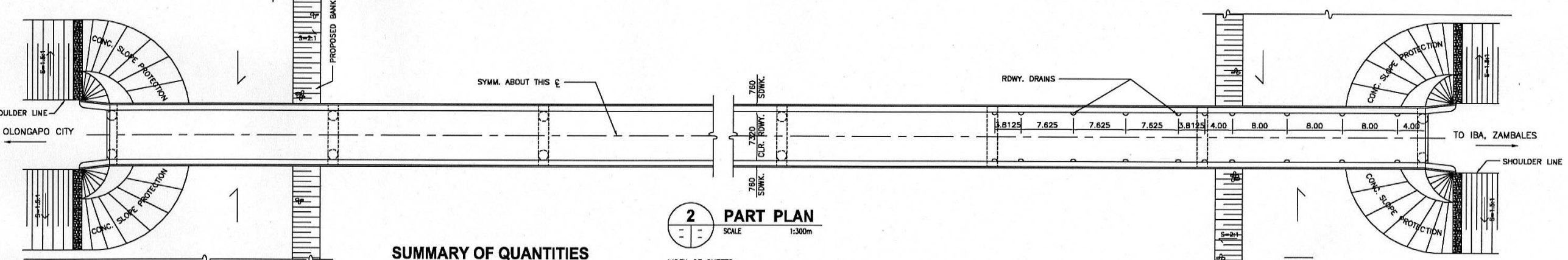
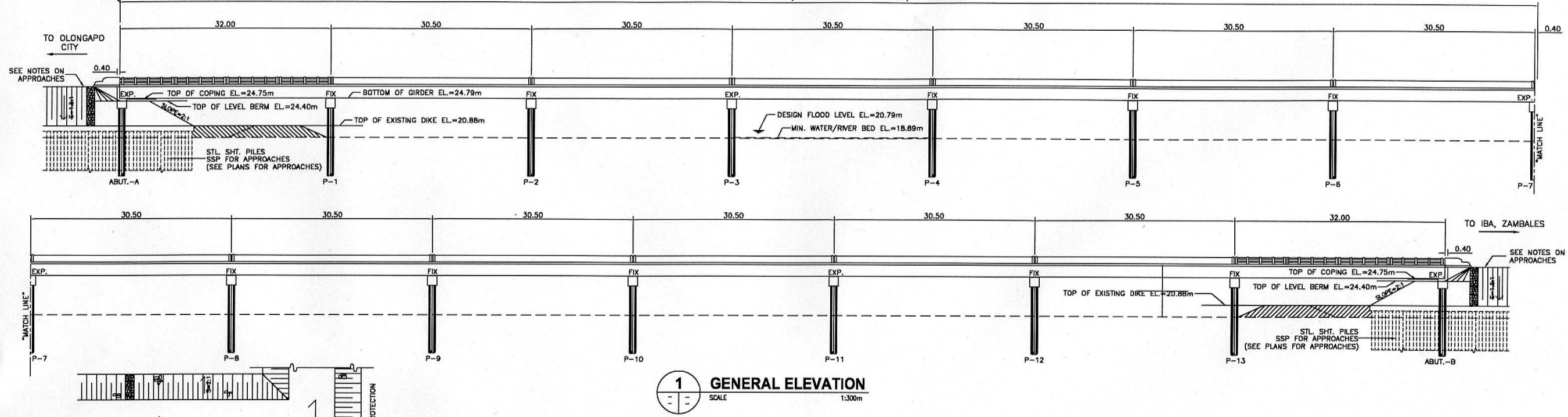


BEGINNING OF BRIDGE BACK OF BACKWALL STA. 165+147.10

LEVEL GRADE
TOP OF ROADWAY ELEV.=26.64m
TOTAL LENGTH OF BRIDGE (BACK TO BACK OF BACKWALLS) = 430.80MTS.



SUMMARY OF QUANTITIES

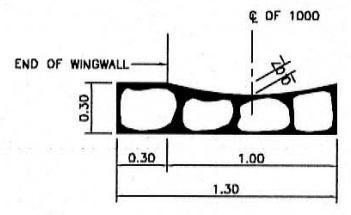
ITEM NO.	DESCRIPTION	UNIT	ABUTMENT												PIERS												SUPER.	SUPER.	TOTAL
			A	B	1	2	3	4	5	6	7	8	9	10	11	12	13												
104	EMBANKMENT	CU. M.	3,150	3,150																2 032.00	12 030.50	8,300.00							
400 (a)	BORED PILES (1.20 M. #)	L.M.	57.50	57.50																			115.00						
400 (b)	BORED PILES (1.50 M. #)	L.M.			90	90	90	90	90	90	90	90	90	90	90	90							1,170.00						
401	R.C. RAILING	M.																		128	732	860.00							
403	METAL STRUCTURE *	KG.																					8,800.00						
404	REINFORCING STEEL BAR **	KG.	9,520	9,520	10,470	10,470	10,500	10,470	10,470	10,500	10,470	10,470	10,500	10,470	10,470	10,500	10,470	10,470	10,500	10,470	10,470	10,500	134,566	308,184.00					
405	STRUCT. CONC. CLASS - "I"	CU. M.	58.80	58.80	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.50	184	1,057.20	1,808.90				
406	P/S CONC. GIRDER TYPE - V	PCS.																		8	48	56.00							
SPL-1	TESTING OF BORED PILES	L.S.																					ALL						
SPL-2	CRANEWAY	L.S.																					ALL						
SPL-3	MOR. / DEMOR.	L.S.																					ALL						
SPL-4	TEMPORARY FACILITIES/WAREHOUSE	L.S.																					ALL						
SPL-5	STEEL CASING (1.20 M. #)	L.M.	24	24																			48.00						
SPL-6	STEEL CASING (1.50 M. #)	L.M.			24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	312.00						

NOTE:
* INCLUDES: 8 PCS. DRAIN PIPES/SPAN, EXP. DAM, ETC.
** EXCLUDES: 16,786 KGS. FOR RAILING REINF. 469,770 KGS. FOR BORED PILES REINF.
9 G.I. TIRES AND PEJ FILLER
ALL QUANTITIES SHALL BE VERIFIED DURING CONSTRUCTION

- INDEX OF SHEETS:
- COVER SHEET
 - GENERAL ELEVATION AND PLAN
 - GENERAL NOTES
 - PLAN AND PROFILE
 - DET. OF ABUT. A & B, 7.32 M. RDWY. WITH 2-0.75 M. SWKS. MS-18 LOADING
 - DETAILS OF PIER 1-13 AND BORED PILES @ PIERS AND ABUTS.
 - DETAILS OF SUPERSTRUCTURE 32.00 M. SPAN, 7.32 M. RDWY. WITH 2-0.75 M. SWKS. MS-18 LOADING
 - DETAILS OF SUPERSTRUCTURE 30.50 M. SPAN, 7.32 M. RDWY. WITH 2-0.75 M. SWKS. MS-18 LOADING
 - TYP. P/S GIRDER DET. TYPE-V FOR 30.50 M. SPAN
 - TYP. P/S GIRDER DET. TYPE-V FOR 32.00 M. SPAN
 - TYP. RDWY. SECTION
 - & 13. PLAN SHOWING EXISTING AND PROPOSED SLOPE PROTECTION WORKS
 - DETAILS OF APPROACH SLAB
 - BORING LOGS
 21. CROSS SECTION OF APPROACHES

HYDRAULIC DESIGN DATA:
DESIGN DISCHARGE, Q50=1,600 M³/SEC.
DESIGN VELOCITY, V = 2.29 M/SEC.
NOTE: FOR DETAILS OF PARAFFIN AND DEFLECTION JOINTS, REFER TO D.P.W.H. STD. DRAWING FOR CONC. BRIDGES SET NO. II, SHT. NO.

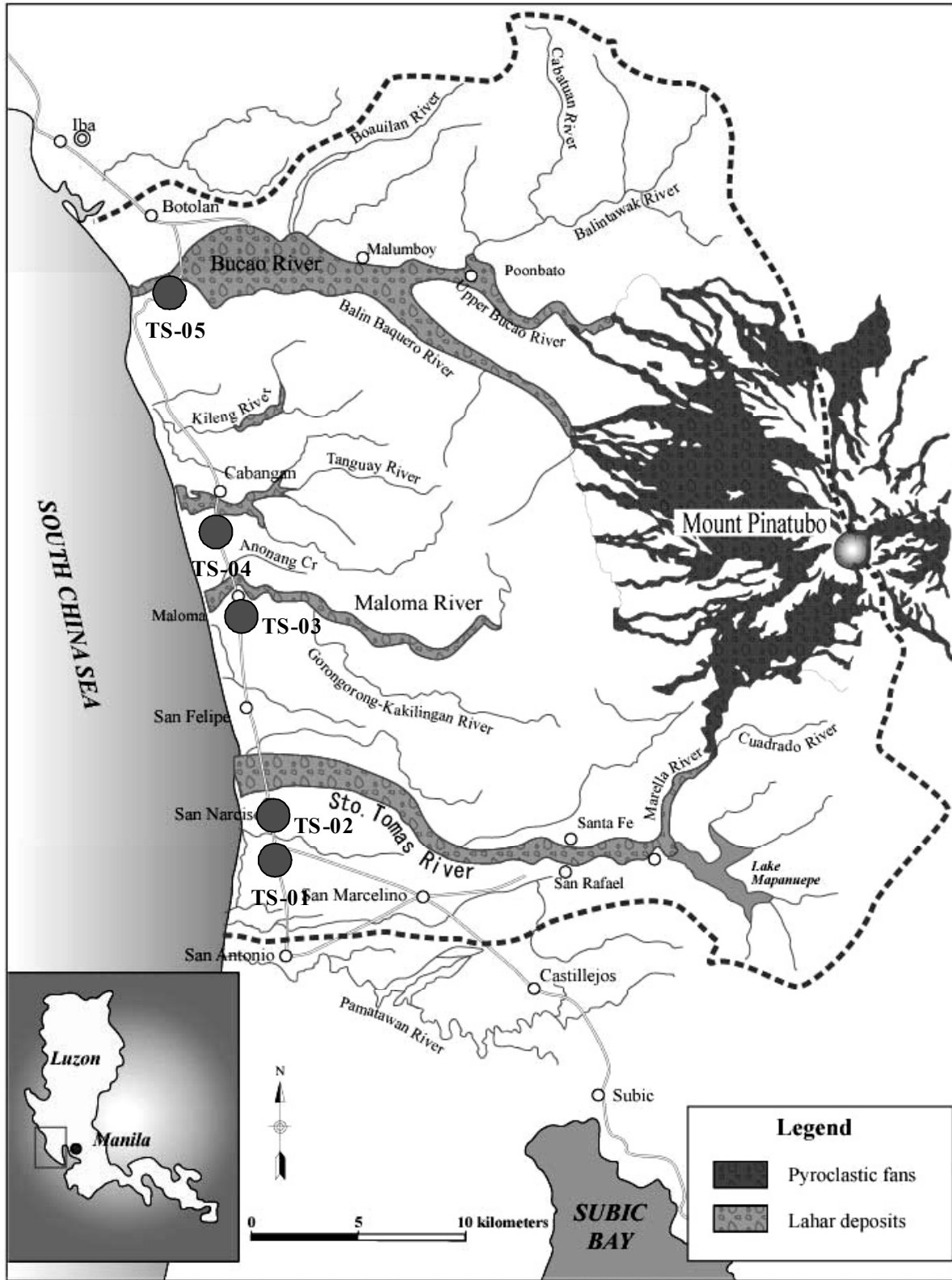
REVIEWED: PERFECTO L. ZAPLAN, JR. O.I.C. CHIEF, HYDRAULICS DIVISION
REVIEWED: ADRIANO M. DORAY CHIEF BRIDGE DIVISION



NOTE:
ALL ELEVATIONS AND STATIONINGS SHALL BE VERIFIED IN THE FIELD BEFORE ACTUAL CONSTRUCTION BEGINS.

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Figure 1.3.12
General Elevation and Part Plan of Detailed Design for the Maculcol Bridge (DPWH)

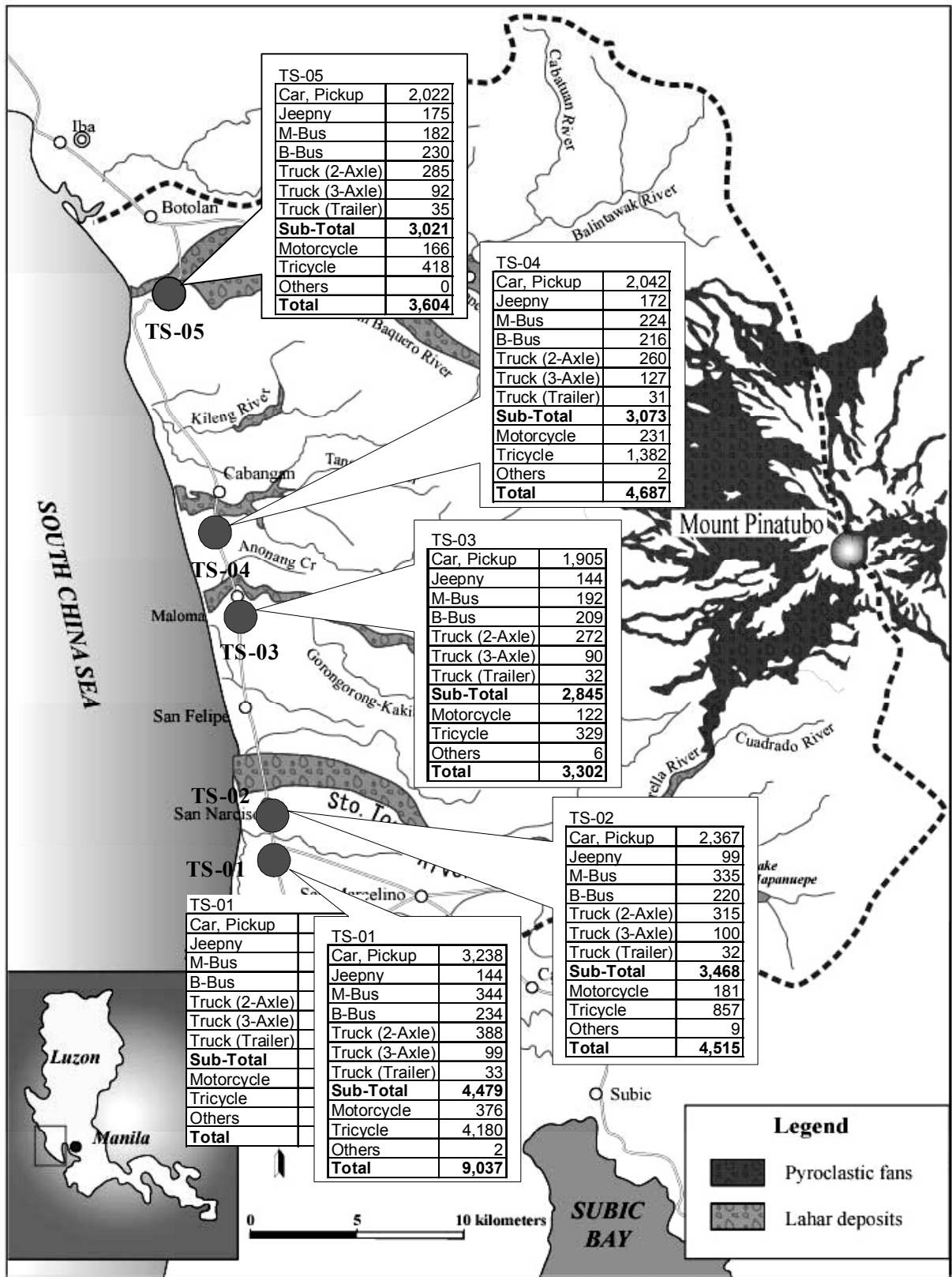


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Figure 2.1.1
Locations of Traffic Count Survey



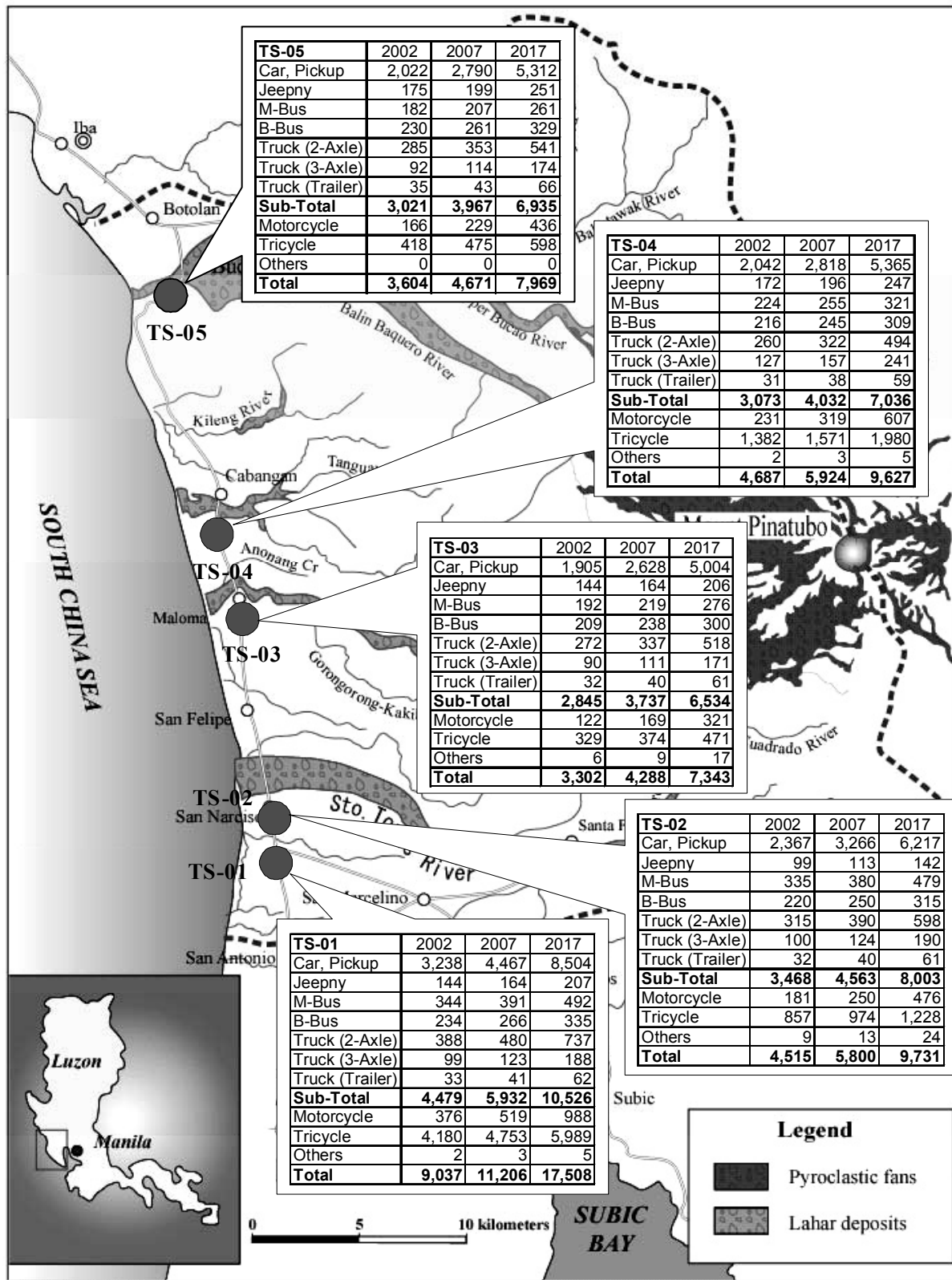
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Figure 2.2.1

Annual Average Daily Traffic



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Figure 2.2.2
Future Traffic Volume