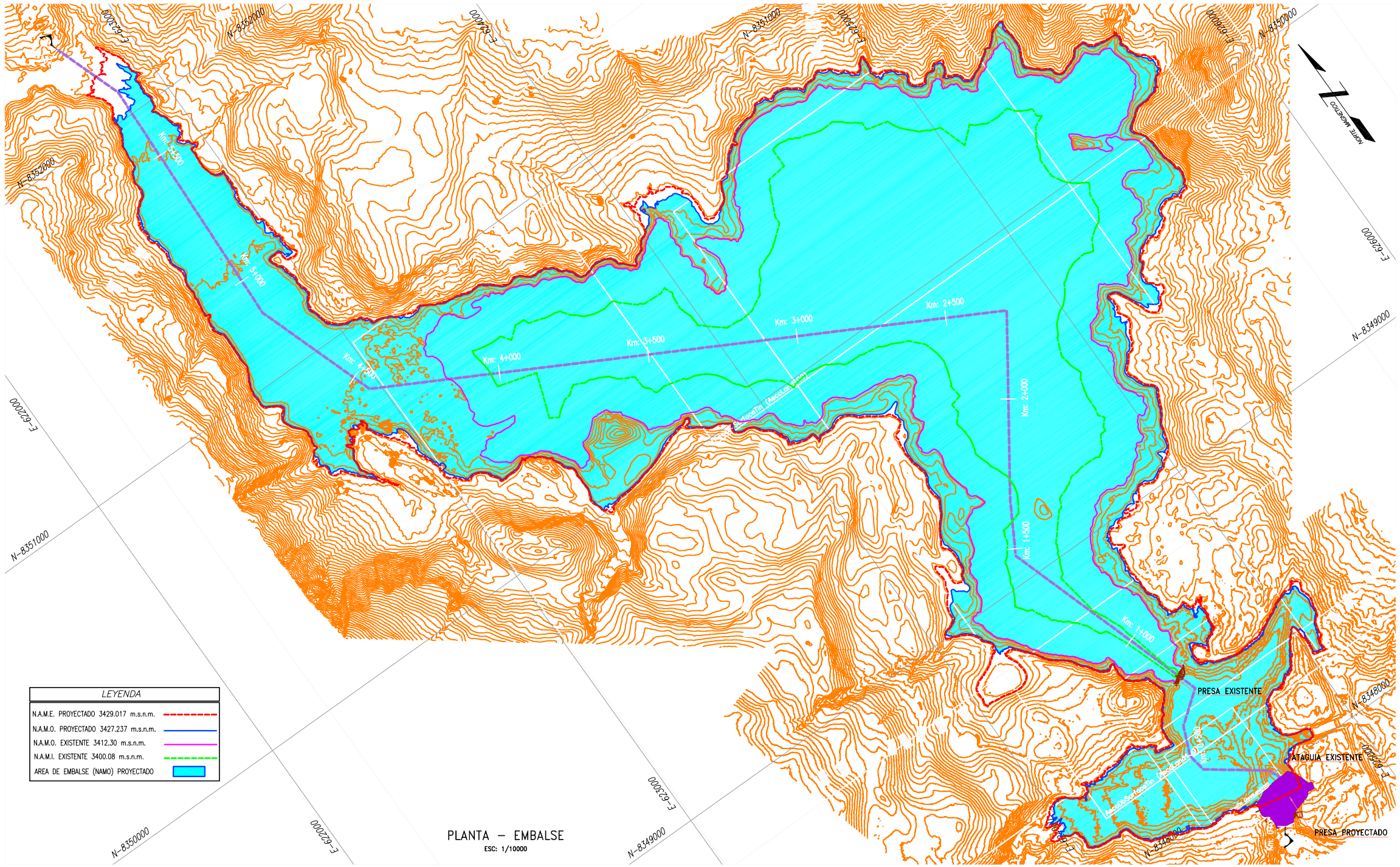
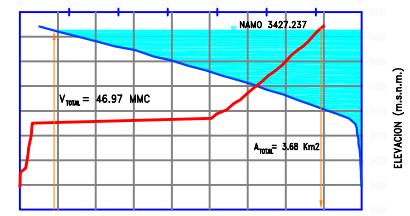


PLANTA – EMBALSE

ESC: 1/10000

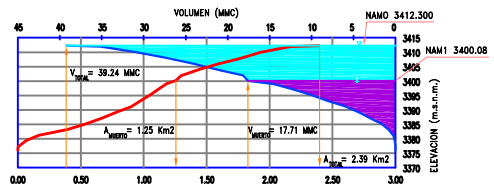
COTA (m.s.n.m.)	EMBALSE ADICIONAL – PROYECTADO						
	ALTURA DE EMBALSE		AREA		VOLUMEN		
	PARCIAL (m)	ACUMULADA (m)	m2	Km2	PARCIAL (m3)	PARCIAL (MMC)	ACUMULADO (MMC)
3399.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3400.00	0.90	0.90	1,952.31	0.00	878.54	0.00	0.00
3401.00	1.00	1.90	3,253.84	0.00	2,603.07	0.00	0.00
3402.00	1.00	2.90	3,615.38	0.00	3,434.61	0.00	0.01
3403.00	1.00	3.90	72,894.01	0.07	1,807.69	0.00	0.01
3404.00	1.00	4.90	87,865.05	0.09	38,254.70	0.04	0.05
3405.00	1.00	5.90	97,577.46	0.10	80,379.53	0.08	0.13
3406.00	1.00	6.90	107,513.87	0.11	92,721.25	0.09	0.22
3407.00	1.00	7.90	108,092.40	0.11	102,545.66	0.10	0.32
3408.00	1.00	8.90	128,244.77	0.13	107,803.13	0.11	0.43
3409.00	1.00	9.90	138,964.78	0.14	118,168.59	0.12	0.55
3410.00	1.00	10.90	154,179.01	0.15	133,604.77	0.13	0.68
3411.00	1.00	11.90	155,205.37	0.16	146,571.89	0.15	0.83
3412.00	1.00	12.90	172,701.01	0.17	154,692.19	0.15	0.98
3413.00	1.00	13.90	2,525,936.11	2.53	1,349,320.06	1.35	2.33
3414.00	1.00	14.90	2,587,136.74	2.59	2,556,537.93	2.56	4.89
3415.00	1.00	15.90	2,731,726.38	2.73	2,659,431.56	2.66	7.55
3416.00	1.00	16.90	2,817,850.95	2.82	2,774,788.67	2.77	10.32
3417.00	1.00	17.90	2,914,872.06	2.91	2,866,361.51	2.87	13.19
3418.00	1.00	18.90	2,991,100.54	2.99	2,952,986.30	2.95	16.14
3419.00	1.00	19.90	3,061,726.98	3.07	3,026,414.76	3.03	19.17
3420.00	1.00	20.90	3,140,190.46	3.14	3,101,959.72	3.10	22.28
3421.00	1.00	21.90	3,207,810.34	3.21	3,174,000.40	3.17	25.45
3422.00	1.00	22.90	3,288,780.11	3.29	3,248,295.23	3.25	28.70
3423.00	1.00	23.90	3,370,412.73	3.37	3,329,596.42	3.33	32.03
3424.00	1.00	24.90	3,453,369.92	3.45	3,411,891.32	3.41	35.44
3425.00	1.00	25.90	3,517,879.56	3.52	3,485,624.74	3.49	38.93
3426.00	1.00	26.90	3,586,174.59	3.59	3,552,027.07	3.55	42.48
3427.00	1.00	27.90	3,660,012.50	3.66	3,623,093.55	3.62	46.10
3427.24	0.24	28.14	3,679,673.36	3.68	869,752.77	0.87	46.97
3428.00	0.76	28.90	3,739,208.66	3.74	3,699,610.88	3.70	50.67
3429.00	1.00	29.90	3,807,580.36	3.81	3,773,394.61	3.77	54.44
3430.00	1.00	30.90	3,875,951.87	3.88	3,841,766.12	3.84	58.29
3431.00	1.00	31.90	3,939,208.66	3.94	3,907,580.37	3.91	62.09
3432.00	1.00	32.90	4,000,478.79	4.00	3,969,843.83	3.97	65.96

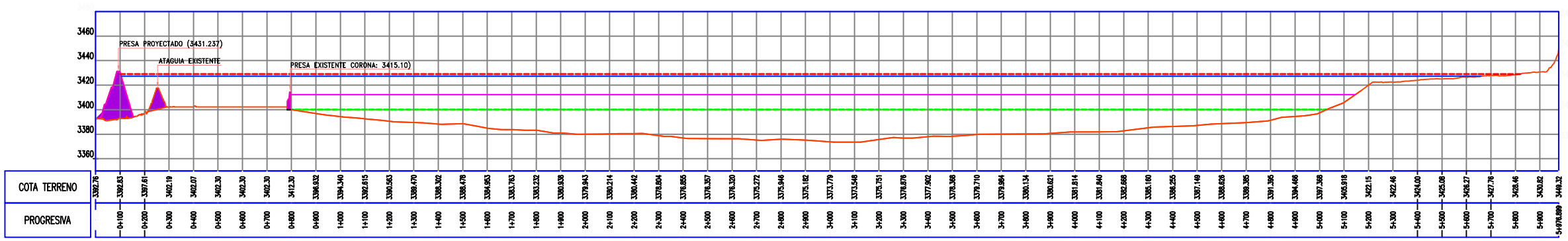
CURVA AREA – VOLUMEN (EMBALSE ADICIONAL PROYECTADO)



COTA (m.s.n.m.)	EMBALSE ACTUAL						
	ALTURA DE EMBALSE		AREA		VOLUMEN		
	PARCIAL (m)	ACUMULADA (m)	m2	Km2	PARCIAL (m3)	PARCIAL (MMC)	ACUMULADO (MMC)
3375.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3377.00	1.13	1.13	242.61	0.00	137.70	0.00	0.00
3379.00	2.00	3.13	72,200.66	0.07	72,443.37	0.07	0.07
3381.00	2.00	5.13	174,528.83	0.17	246,729.49	0.25	0.32
3383.00	2.00	7.13	390,833.74	0.39	567,362.57	0.57	0.89
3385.00	2.00	9.13	542,760.27	0.54	933,594.01	0.94	1.82
3387.00	2.00	11.13	666,559.71	0.67	1,209,319.98	1.21	3.03
3389.00	2.00	13.13	796,862.90	0.80	1,463,422.61	1.46	4.50
3391.00	2.00	15.13	898,385.26	0.90	1,695,248.16	1.70	6.19
3393.00	2.00	17.13	993,869.97	0.98	1,892,255.23	1.89	8.07
3395.00	2.00	19.13	1,061,803.15	1.06	2,045,673.12	2.05	10.12
3397.00	2.00	21.13	1,122,611.83	1.12	2,184,414.98	2.18	12.30
3399.00	2.00	23.13	1,181,385.79	1.18	2,303,997.62	2.30	14.61
3400.08	1.08	24.21	1,254,844.50	1.25	3,105,548.53	3.11	17.71
3402.00	1.92	26.13	1,298,250.52	1.30	536,149.95	0.54	18.25
3404.00	2.00	28.13	1,434,311.41	1.43	2,732,561.93	2.73	20.98
3406.00	2.00	30.13	1,594,176.15	1.59	3,028,487.56	3.03	24.01
3408.00	2.00	32.13	1,791,209.03	1.79	3,356,155.18	3.36	27.37
3410.00	2.00	34.13	1,923,778.95	1.92	3,685,707.98	3.69	31.05
3412.00	2.00	36.13	2,161,720.53	2.16	4,085,499.48	4.09	35.14
3412.30	0.30	36.43	2,392,903.19	2.39	4,099,161.20	4.10	39.24

CURVA AREA – VOLUMEN (EMBLSE ACTUAL)





PERFIL LONGITUDINAL A–A EMBALSE PROYECTADO

ESC: H = 1/10000
V = 1/2000

EMBALSE EXISTENTE	Corona	3415.10msnm
	NAMI	3400.08msnm
	NAMO	3412.30msnm
	Volumen Total	39.24MMC
	Volumen Muerto	17.71MMC
	Volumen Útil	21.52MMC
EMBALSE ADICIONAL	Corona	3431.24msnm
	NAMI	3400.08msnm
	NAMO	3427.24msnm
	Volumen Total	46.97MMC
	Volumen Muerto	0.00MMC
	Volumen Útil	46.97MMC
PRESA PROYECTADA	Volumen Total	86.21MMC
	Volumen Muerto	17.71MMC
	Volumen Útil	68.49MMC

BACH. PELE APAZA YUCRA			
		FIRMA	FECHA
DIRECTOR DE TESIS	ING. LUIS ORTIZ GALLEGOS	–	DIC 2015
ASESOR DE TESIS	ING. ANDRES OLIVERA CH.	–	DIC. 2015
DIBUJADO	BACH. P. A. Y.	–	DIC. 2015
SUPERVISIÓN		–	–

UBICACION
REGIONES: AYACUCHO - AREQUIPA
PROVINCIAS: CARAVELI, LUCANAS, PARINACOCHAS
DISTRITOS: YAUCA, CHAVIÑA, CORACORA, CHUMPI

UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA GEOLOGICA E INGENIERIA METALURGICA
ESCUELA PROFESIONAL DE INGENIERIA GEOLOGICA

"EVALUACION GEOLOGICA Y GEOTECNICA PARA LA AMPLIACION, DE LA PRESA ANCASCOCHA, EN LA CUENCA DE YAUCA, AYACUCHO - AREQUIPA"

PROYECTO N°:

ESCALA: INDICADA

PLANO N°: PLANO EMBALSE PRESA ANCASCOCHA

PLANO N° GEO - 17