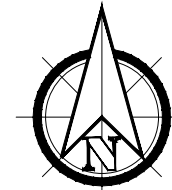


# ESR MORA



N 7958550

N 7958500

N 7958450

N 7958400

E 477300

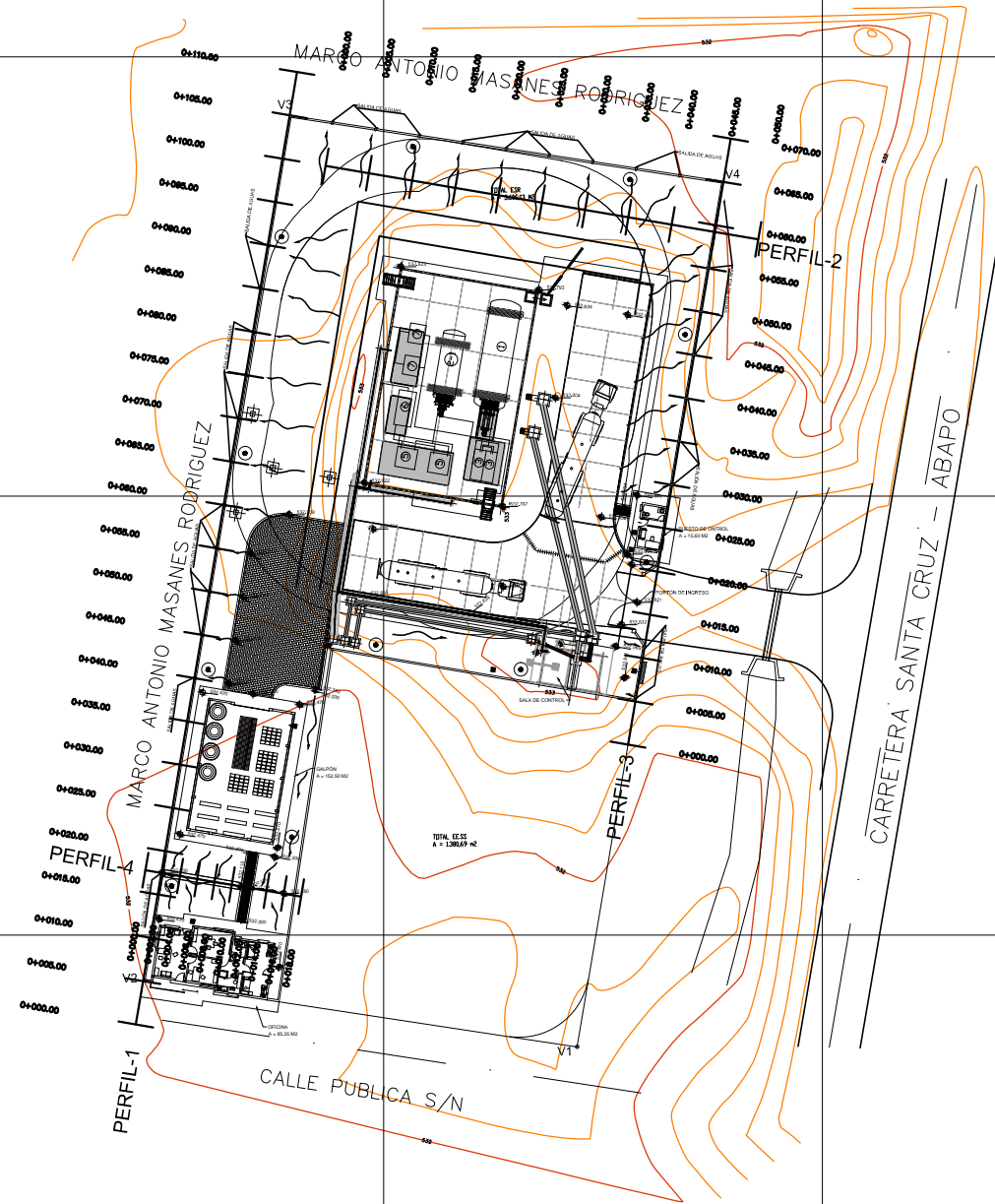
E 477350

E 477400

E 477450

E 477500

E 477550



DESCRIPCIÓN	
	CURVAS DE NIVEL PRIMARIAS
	CURVAS DE NIVEL SECUNDARIAS
	AGUA ESTANCADA
	DIRECCIÓN DE FLUJO
	BARBACANAS
	ENLOSETADO
	COTA DE NIVEL
	PROGRESIVAS

REVISIÓN NUMERO: FECHA:

ELABORADO POR:

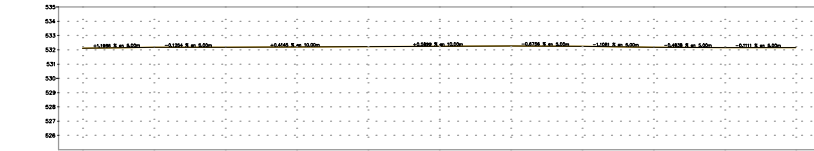
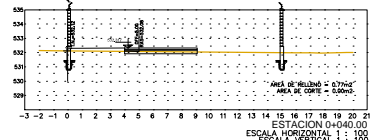
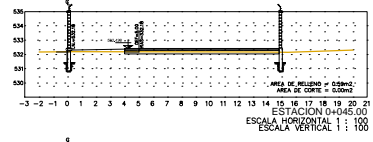
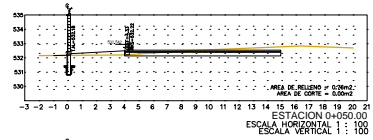
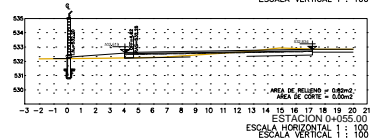
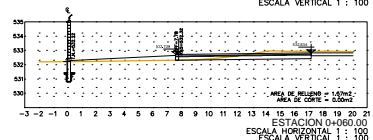
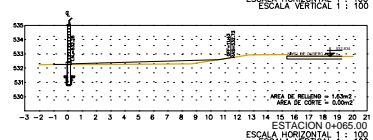
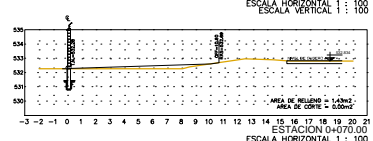
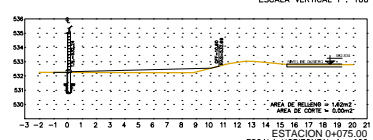
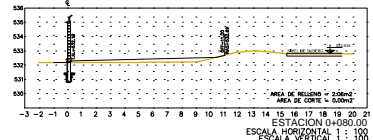
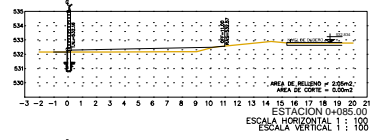
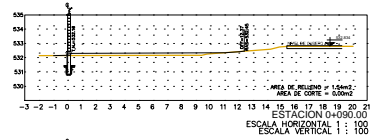
APROBADO POR:

UBICACION:	
DEPARTAMENTO	SANTA CRUZ
PROVINCIA	CORDILLERA
MUNICIPIO	CABEZAS



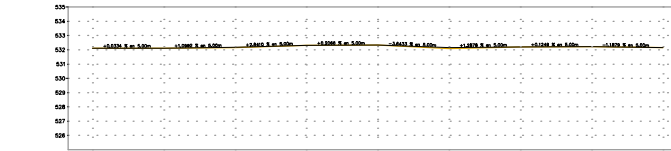
PROPIETARIO:  
**YACIMIENTOS PETROLIFEROS FISCALES BOLIVIANOS**  
 GERENCIA DE REDES DE GAS Y DUCTOS  
 DIRECCIÓN GAS VIRTUAL

OBRA: NIVELACIÓN DE TERRENO Y AMPLIACIÓN DE VÍAS DE CIRCULACIÓN DE LAS ESR DE SAN JULIÁN, SAN JOSÉ DE CHIQUITOS, ASCENSIÓN DE GUARAYOS, MORA, ROBORE Y SAN IGNACIO DE VELASCO			
DESCRIPCIÓN: PLANTAS, PERFILES Y SECCIONES TRANSVERSALES			
ESPECIALIDAD: TOPOGRAFÍA	FECHA: NOVIEMBRE 2016	ESCALA: 1:400	LÁMINA: 1/3



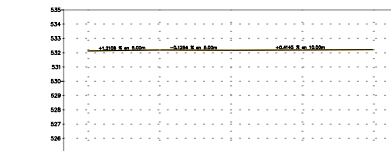
ESTACION	TIPO DE OBRAS	VOLUMEN
0+900.00	RELLENO	0.00
0+900.00	CORTE	0.00
0+885.00	RELLENO	0.00
0+885.00	CORTE	0.00
0+870.00	RELLENO	0.00
0+870.00	CORTE	0.00
0+855.00	RELLENO	0.00
0+855.00	CORTE	0.00
0+840.00	RELLENO	0.00
0+840.00	CORTE	0.00
0+825.00	RELLENO	0.00
0+825.00	CORTE	0.00
0+810.00	RELLENO	0.00
0+810.00	CORTE	0.00
0+795.00	RELLENO	0.00
0+795.00	CORTE	0.00
0+780.00	RELLENO	0.00
0+780.00	CORTE	0.00
0+765.00	RELLENO	0.00
0+765.00	CORTE	0.00
0+750.00	RELLENO	0.00
0+750.00	CORTE	0.00

TOTAL VOLUMEN CORTE = 0.00m<sup>3</sup>  
TOTAL VOLUMEN RELLENO = -47.85m<sup>3</sup>  
PERFIL 1 DRENAJE BARBACANAS  
ESCALA HORIZONTAL 1 : 100  
ESCALA VERTICAL 1 : 100



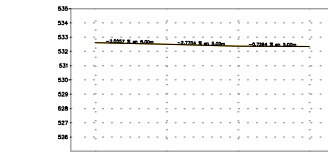
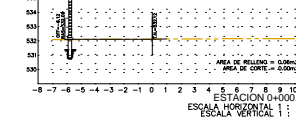
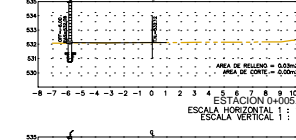
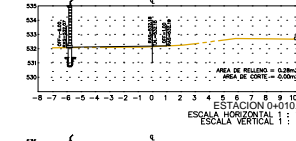
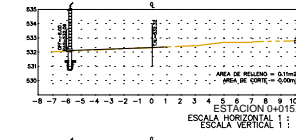
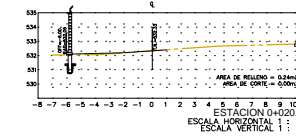
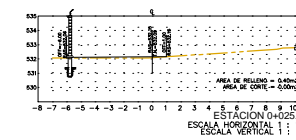
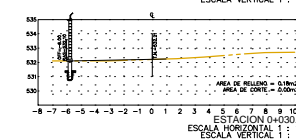
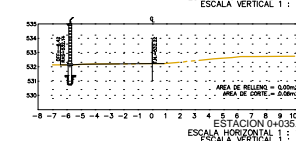
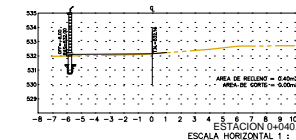
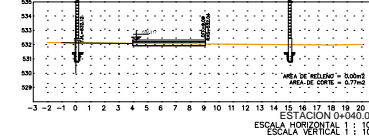
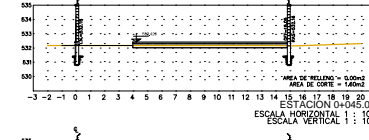
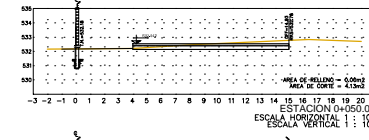
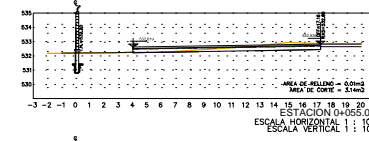
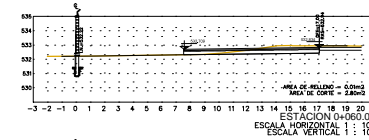
ESTACION	TIPO DE OBRAS	VOLUMEN
0+900.00	RELLENO	0.00
0+900.00	CORTE	0.00
0+885.00	RELLENO	0.00
0+885.00	CORTE	0.00
0+870.00	RELLENO	0.00
0+870.00	CORTE	0.00
0+855.00	RELLENO	0.00
0+855.00	CORTE	0.00
0+840.00	RELLENO	0.00
0+840.00	CORTE	0.00
0+825.00	RELLENO	0.00
0+825.00	CORTE	0.00
0+810.00	RELLENO	0.00
0+810.00	CORTE	0.00
0+795.00	RELLENO	0.00
0+795.00	CORTE	0.00
0+780.00	RELLENO	0.00
0+780.00	CORTE	0.00
0+765.00	RELLENO	0.00
0+765.00	CORTE	0.00
0+750.00	RELLENO	0.00
0+750.00	CORTE	0.00

TOTAL VOLUMEN CORTE = 0.29m<sup>3</sup>  
TOTAL VOLUMEN RELLENO = -7.32m<sup>3</sup>  
PERFIL 2 DRENAJE BARBACANAS  
ESCALA HORIZONTAL 1 : 100  
ESCALA VERTICAL 1 : 100



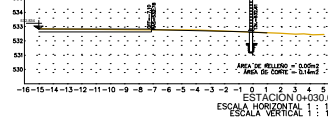
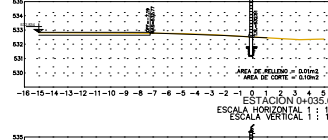
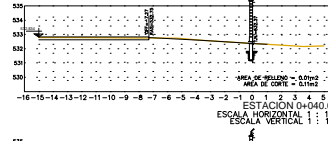
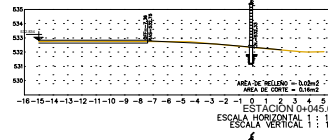
ESTACION	TIPO DE OBRAS	VOLUMEN
0+900.00	RELLENO	0.00
0+900.00	CORTE	0.00
0+885.00	RELLENO	0.00
0+885.00	CORTE	0.00
0+870.00	RELLENO	0.00
0+870.00	CORTE	0.00
0+855.00	RELLENO	0.00
0+855.00	CORTE	0.00
0+840.00	RELLENO	0.00
0+840.00	CORTE	0.00
0+825.00	RELLENO	0.00
0+825.00	CORTE	0.00
0+810.00	RELLENO	0.00
0+810.00	CORTE	0.00
0+795.00	RELLENO	0.00
0+795.00	CORTE	0.00
0+780.00	RELLENO	0.00
0+780.00	CORTE	0.00
0+765.00	RELLENO	0.00
0+765.00	CORTE	0.00
0+750.00	RELLENO	0.00
0+750.00	CORTE	0.00

TOTAL VOLUMEN CORTE = 53.27m<sup>3</sup>  
TOTAL VOLUMEN RELLENO = -0.07m<sup>3</sup>  
PERFIL 3 VIA PARQUEO GALPÓN  
ESCALA HORIZONTAL 1 : 100  
ESCALA VERTICAL 1 : 100



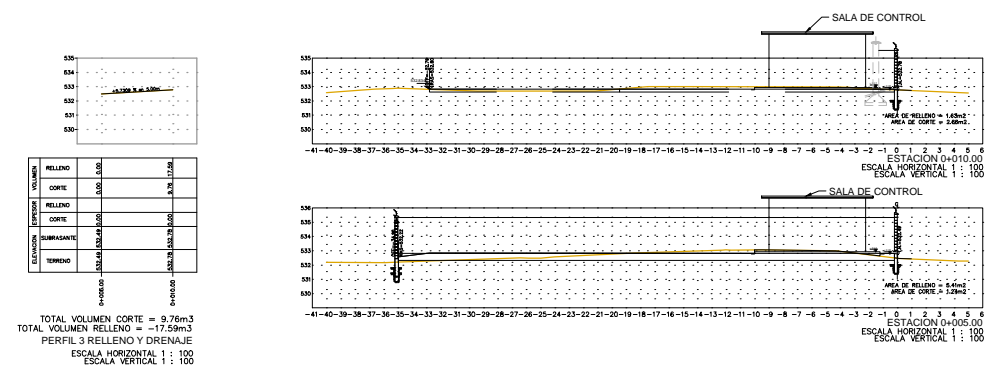
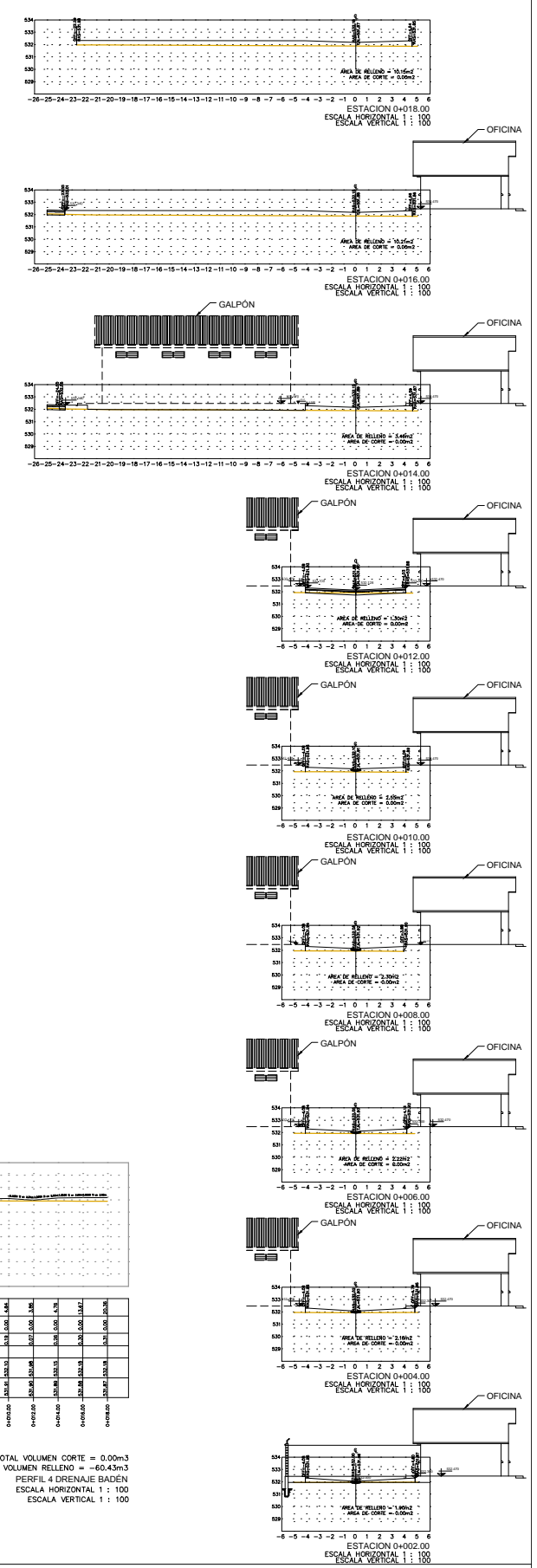
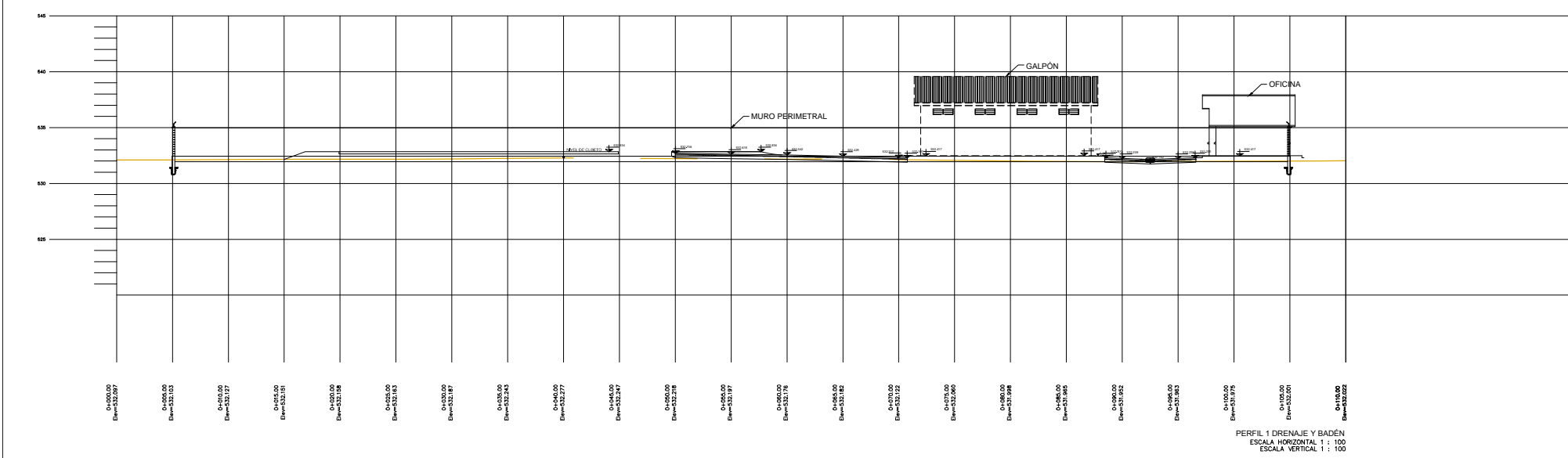
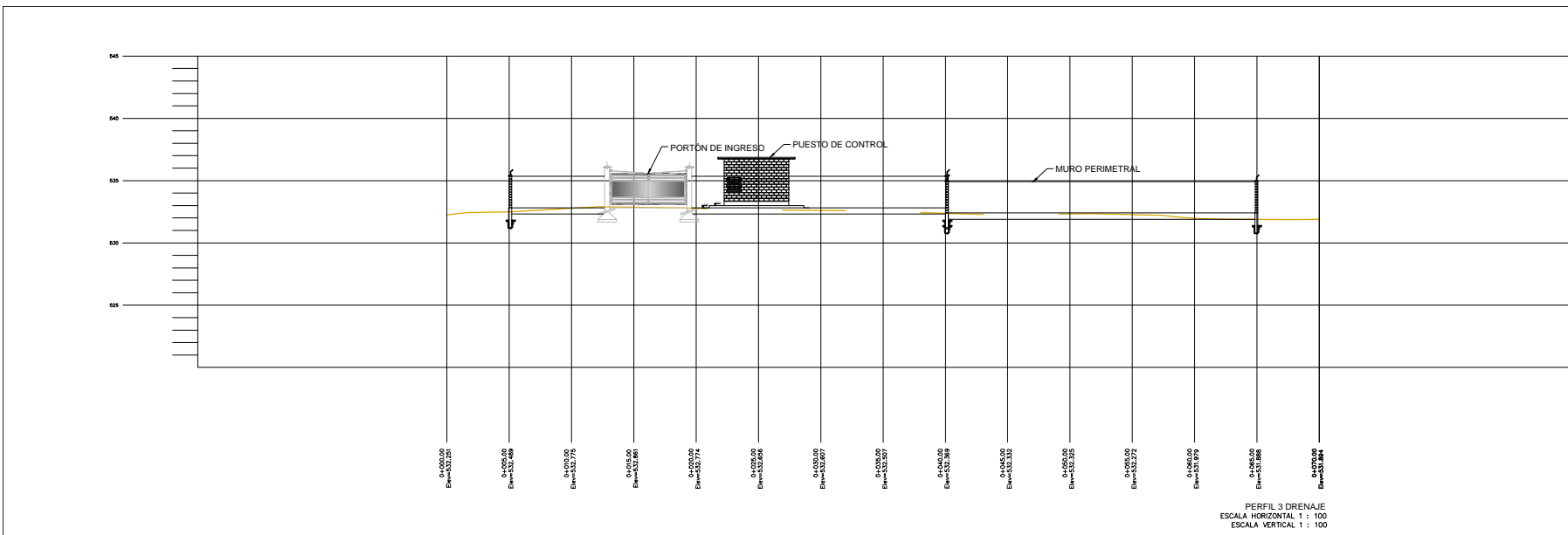
ESTACION	TIPO DE OBRAS	VOLUMEN
0+900.00	RELLENO	0.00
0+900.00	CORTE	0.00
0+885.00	RELLENO	0.00
0+885.00	CORTE	0.00
0+870.00	RELLENO	0.00
0+870.00	CORTE	0.00
0+855.00	RELLENO	0.00
0+855.00	CORTE	0.00
0+840.00	RELLENO	0.00
0+840.00	CORTE	0.00
0+825.00	RELLENO	0.00
0+825.00	CORTE	0.00
0+810.00	RELLENO	0.00
0+810.00	CORTE	0.00
0+795.00	RELLENO	0.00
0+795.00	CORTE	0.00
0+780.00	RELLENO	0.00
0+780.00	CORTE	0.00
0+765.00	RELLENO	0.00
0+765.00	CORTE	0.00
0+750.00	RELLENO	0.00
0+750.00	CORTE	0.00

TOTAL VOLUMEN CORTE = 1.76m<sup>3</sup>  
TOTAL VOLUMEN RELLENO = -0.13m<sup>3</sup>  
PERFIL 4 DRENAJE BARBACANAS  
ESCALA HORIZONTAL 1 : 100  
ESCALA VERTICAL 1 : 100



REVISIÓN NUMERO:	FECHA:	ELABORADO POR:	APROBADO POR:	UBICACION:	PROPIETARIO:	OBRA:
				DEPARTAMENTO SANTA CRUZ	<b>YACIMIENTOS PETROLIFEROS FISCALES BOLIVIANOS</b> GERENCIA DE REDES DE GAS Y DUCTOS DIRECCIÓN GAS VIRTUAL	NIVELACIÓN DE TERRENO Y AMPLIACIÓN DE VÍAS DE CIRCULACIÓN DE LAS ESR DE SAN JULIÁN, SAN JOSÉ DE CHIQUITOS, ASCENSIÓN DE GUARAYOS, MORA, ROBORE Y SAN IGNACIO DE VELASCO
				PROVINCIA CORDILLERA		DESCRIPCIÓN:
				MUNICIPIO CABEZAS		PERFILES Y SECCIONES TRANSVERSALES
DIMENSIONES EN METROS:						ESPECIALIDAD: TOPOGRAFÍA
						FECHA: NOVIEMBRE 2016
						ESCALA: 1:250
						LÁMINA: 2/3





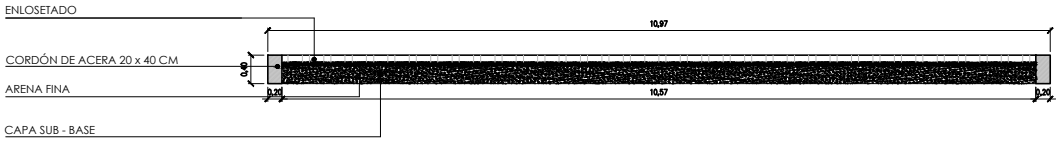
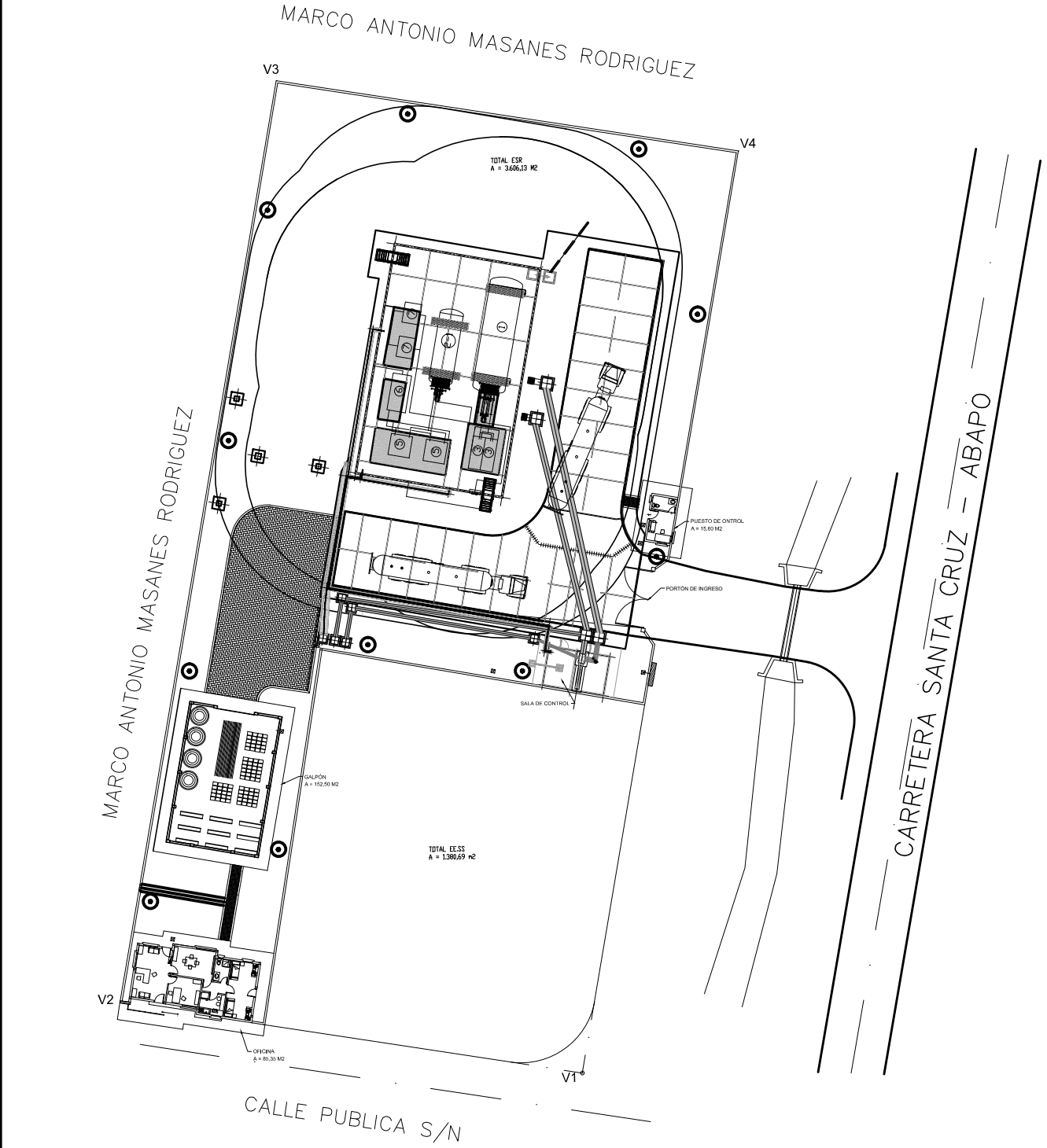
ESTACION	RELLENO	CORTE	RELLENO	CORTE	RELLENO	CORTE	RELLENO	CORTE	RELLENO	CORTE	RELLENO	CORTE
0+000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+005.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+010.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+015.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+020.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+025.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+030.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+035.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+040.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+045.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+050.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+055.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+060.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+065.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+070.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+075.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+080.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+085.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+090.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+095.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+105.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+115.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL VOLUMEN CORTE = 9.76m<sup>3</sup>  
 TOTAL VOLUMEN RELLENO = 17.59m<sup>3</sup>  
 PERFIL 3 RELLENO Y DRENAJE  
 ESCALA HORIZONTAL 1 : 100  
 ESCALA VERTICAL 1 : 100

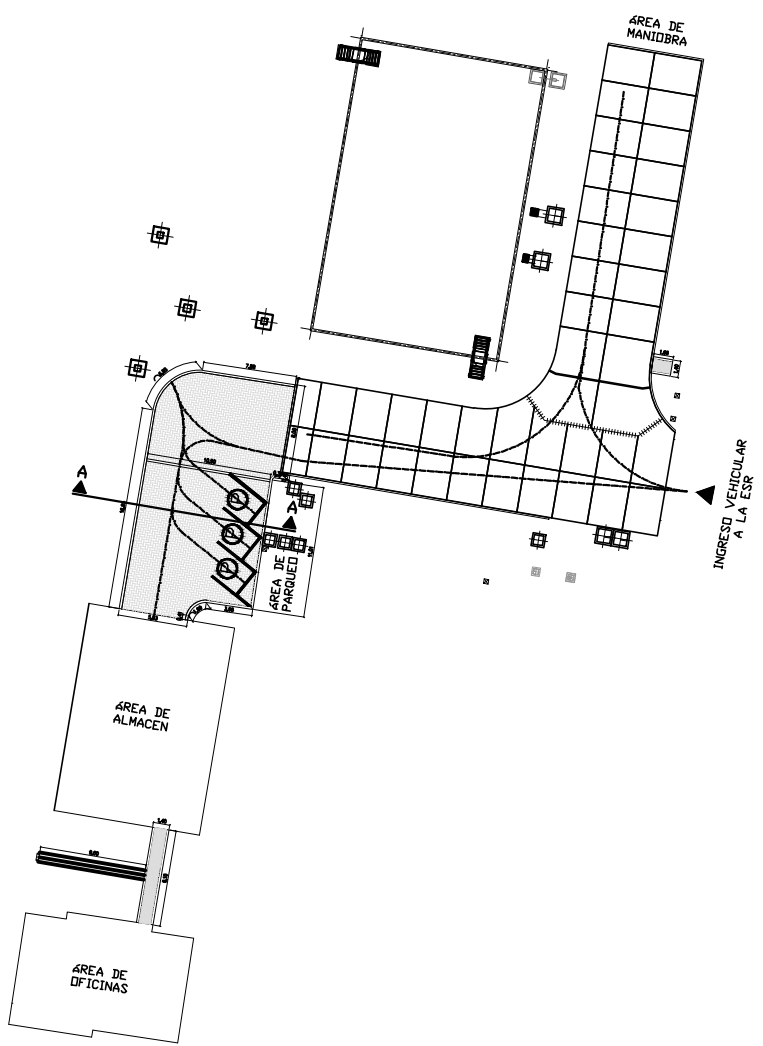
TOTAL VOLUMEN CORTE = 0.00m<sup>3</sup>  
 TOTAL VOLUMEN RELLENO = 40.45m<sup>3</sup>  
 PERFIL 4 DRENAJE Y BADEN  
 ESCALA HORIZONTAL 1 : 100  
 ESCALA VERTICAL 1 : 100

REVISIÓN NUMERO:	FECHA:	ELABORADO POR:	APROBADO POR:	UBICACION:	PROPIETARIO:	OBRA:
				DEPARTAMENTO: SANTA CRUZ	<b>YACIMIENTOS PETROLIFEROS FISCALES BOLIVIANOS</b> GERENCIA DE REDES DE GAS Y DUCTOS DIRECCIÓN GAS VIRTUAL	NIVELACIÓN DE TERRENO Y AMPLIACIÓN DE VÍAS DE CIRCULACIÓN DE LAS ESR DE SAN JULIÁN, SAN JOSÉ DE CHIQUITOS, ASCENSIÓN DE GUARAYOS, MORA, ROBORE Y SAN IGNACIO DE VELASCO
				PROVINCIA: CORDILLERA		DESCRIPCIÓN:
				MUNICIPIO: CABEZAS		PERFILES Y SECCIONES TRANSVERSALES
DIMENSIONES EN METROS:						ESPECIALIDAD: TOPOGRAFÍA
						FECHA: NOVIEMBRE 2016
						ESCALA: 1:250
						LÁMINA: 3/3



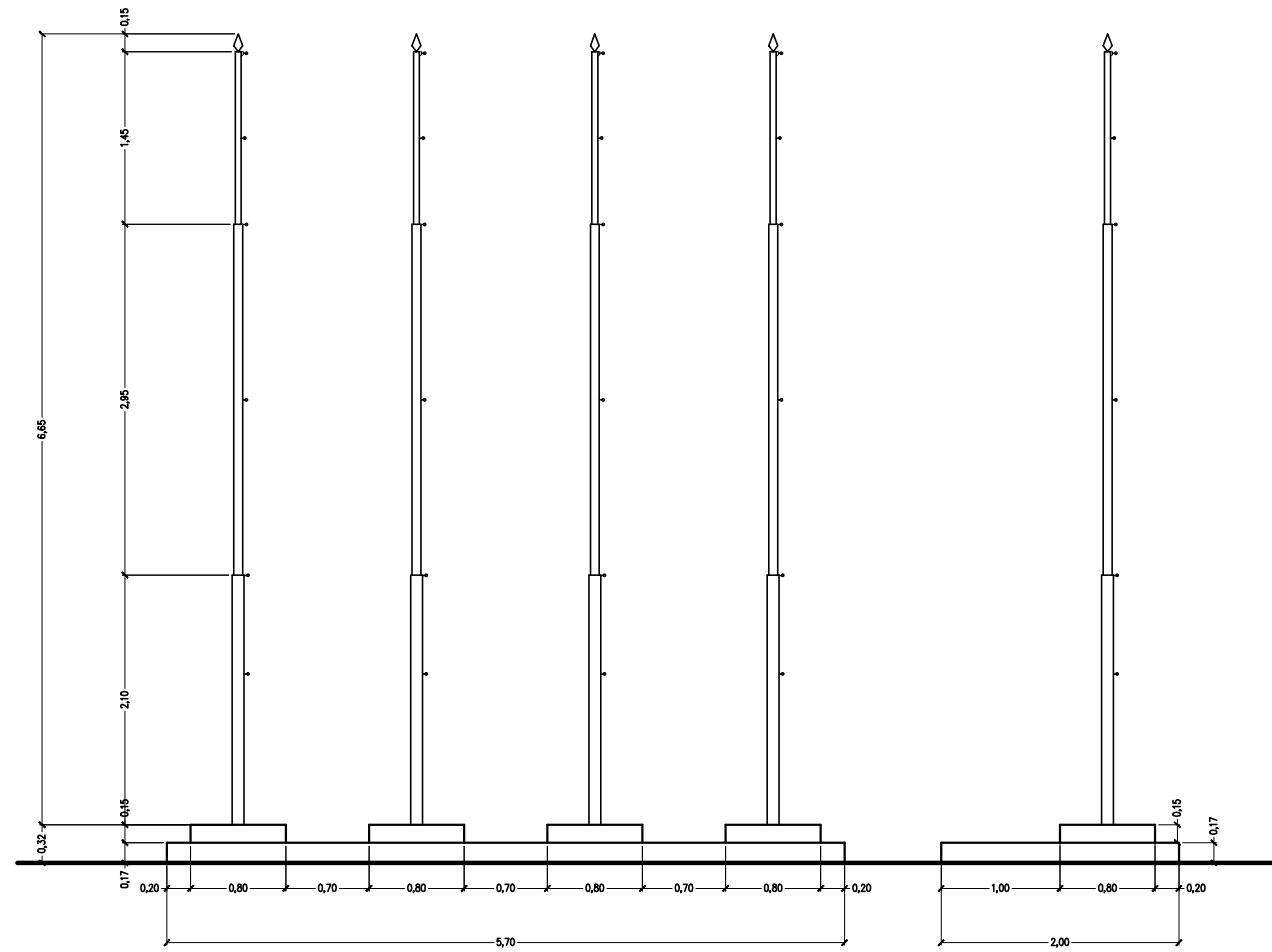


SECCIÓN A-A'  
ESC 1:50



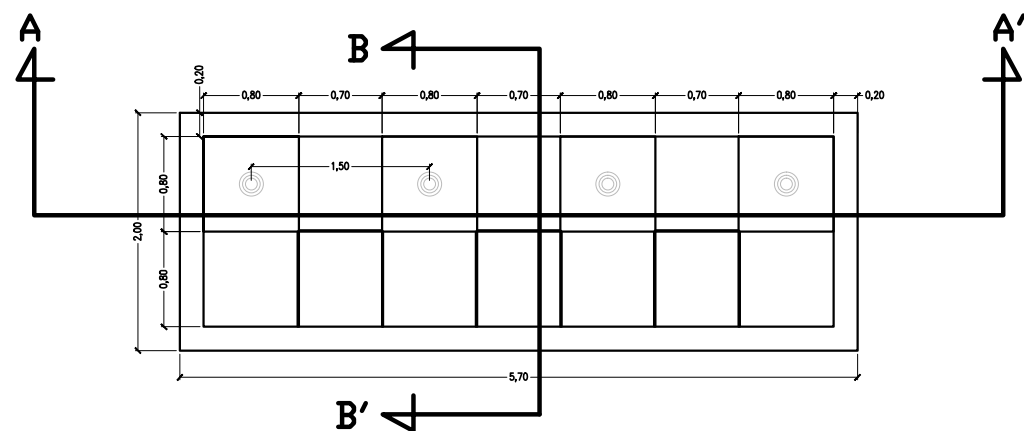
REVISIÓN NUMERO:	FECHA:	ELABORADO POR:	APROBADO POR:	UBICACION:	 <p>PROPIETARIO: <b>YACIMIENTOS PETROLIFEROS FISCALES BOLIVIANOS</b> GERENCIA DE REDES DE GAS Y DUCTOS DIRECCIÓN GAS VIRTUAL</p>	OBRA:	NIVELACIÓN DE TERRENO Y AMPLIACIÓN DE VÍAS DE CIRCULACIÓN DE LAS ESR DE SAN JULIÁN, SAN JOSÉ DE CHIQUITOS, ASCENSIÓN DE GUARAYOS, MORA, ROBORE Y SAN IGNACIO DE VELASCO							
				DEPARTAMENTO		SANTA CRUZ	DESCRIPCIÓN:	PLANTA, PERFIL Y SECCIONES						
				PROVINCIA		CORDILLERA	ESPECIALIDAD:	ARQUITECTURA	FECHA:	NOVIEMBRE 2016	ESCALA:	1:300	LÁMINA:	1/2
				MUNICIPIO		CABEZAS								

DIMENSIONES EN METROS:

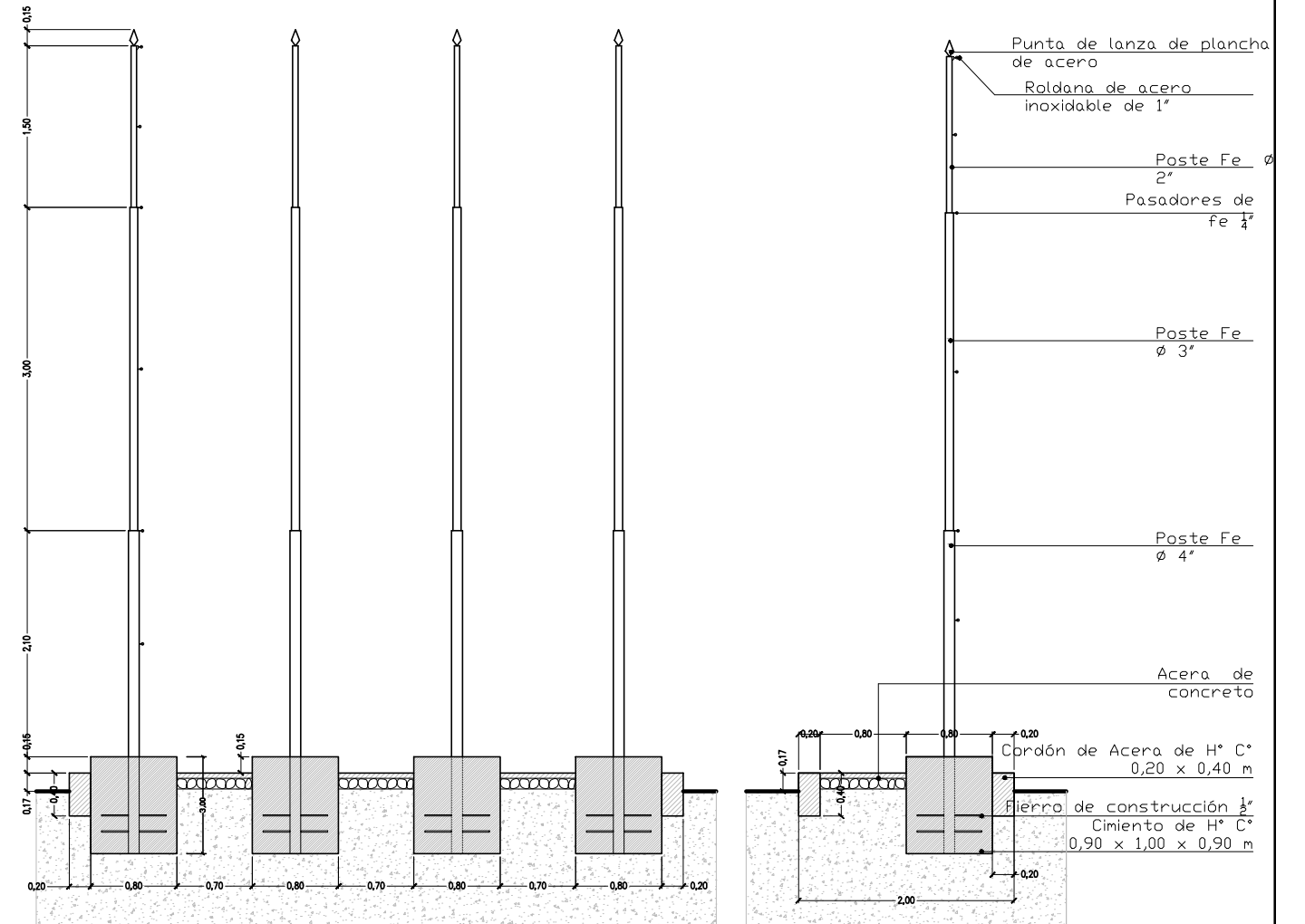


Elevación Frontal  
Esc. 1:30

Elevación Lateral  
Esc. 1:30



Vista en Planta  
Esc. 1:30



Corte Longitudinal  
Esc. 1:30

Corte Transversal  
Esc. 1:30

REVISIÓN NUMERO:	FECHA:	ELABORADO POR:	APROBADO POR:	UBICACION:	PROPIETARIO:	OBRA:	
				DEPARTAMENTO SANTA CRUZ	 <b>YACIMIENTOS PETROLIFEROS FISCALES BOLIVIANOS</b> GERENCIA DE REDES DE GAS Y DUCTOS DIRECCIÓN GAS VIRTUAL	NIVELACIÓN DE TERRENO Y AMPLIACIÓN DE VÍAS DE CIRCULACIÓN DE LAS ESR DE SAN JULIÁN, SAN JOSÉ DE CHIQUITOS, ASCENSIÓN DE GUARAYOS, MORA, ROBORE Y SAN IGNACIO DE VELASCO	
				PROVINCIA CORDILLERA		DESCRIPCIÓN:	DETALLE DE PLATAFORMA DE MÁSTILES
				MUNICIPIO CABEZAS		ESPECIALIDAD: ARQUITECTURA	FECHA: NOVIEMBRE 2016 ESCALA: INDICADA LÁMINA: 2/2

DIMENSIONES EN METROS: