

PLANO GENERAL



DETALLE DE ESPESORES	
Mortero	0.02 CMs.
Carpete	0.08 CMs.
Base	0.20 CMs.
Subbase	0.20 CMs.
Subcemente	0.20 CMs.

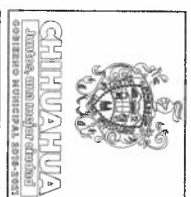
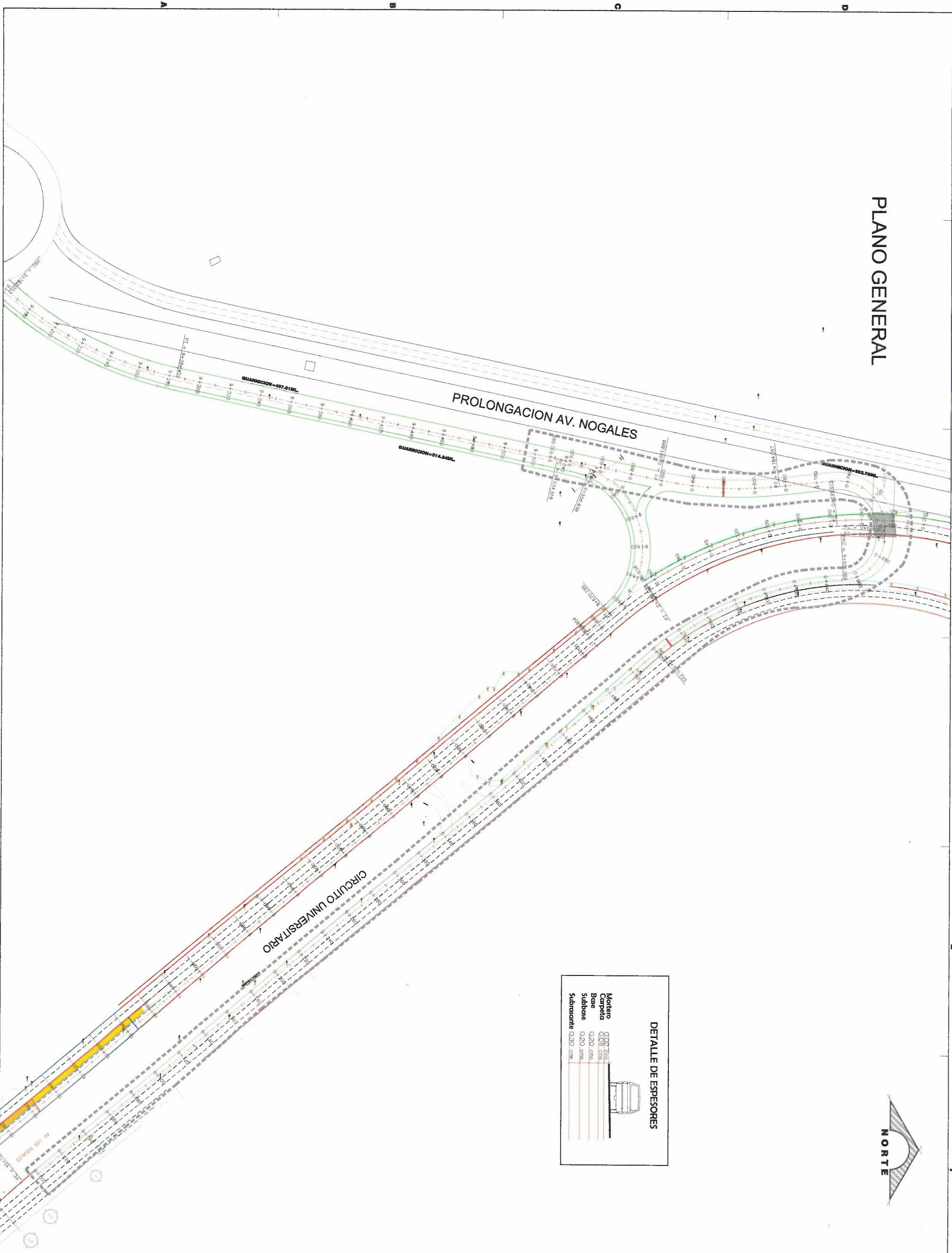
CIRCUITO UNIVERSITARIO

PROLONGACION AV. NOGALES

GUARNICION=497.81ML

GUARNICION=514.34ML

GUARNICION=282.75ML



CHIHUAHUA
GOBIERNO DEL ESTADO
SECRETARÍA DE OBRAS PÚBLICAS
DIRECCIÓN GENERAL DE VIALIDAD



1. VERIFICAR ANTES DE INICIAR
2. VERIFICAR DESPUÉS DE INICIAR

1	2	3	4	5

1	2	3	4	5

AMPLIACION A SEGUNDO
CARRIL DE GAZA UNIVERSITARIA
Y ADECUACIONES VIALES EN
CIRCUITO UNIVERSITARIO
CHIHUAHUA CHIH.

PROYECTO:
DEPARTAMENTO DE
PROYECTOS
PLANTA GENERAL
PL-01

Handwritten signatures and initials in blue ink at the bottom of the page.



GUATEMALA
 REPUBLICA DE GUATEMALA
 GOBIERNO DE LA REPUBLICA DE GUATEMALA
 MINISTERIO DE LA CONSTRUCCION

PROYECTO: PASADIZO DE ACCESO AL AREA DE LA CANTINA DEL COMPLEJO EDUCATIVO DEL INSTITUTO VETERINARIO Y ZOOTECNICO DE GUATEMALA

CLIENTE: ING. PEDRO I. HERNANDEZ ESCOBEDO

ARQUITECTO: FRANCISCO DOMINGUEZ RUIZ

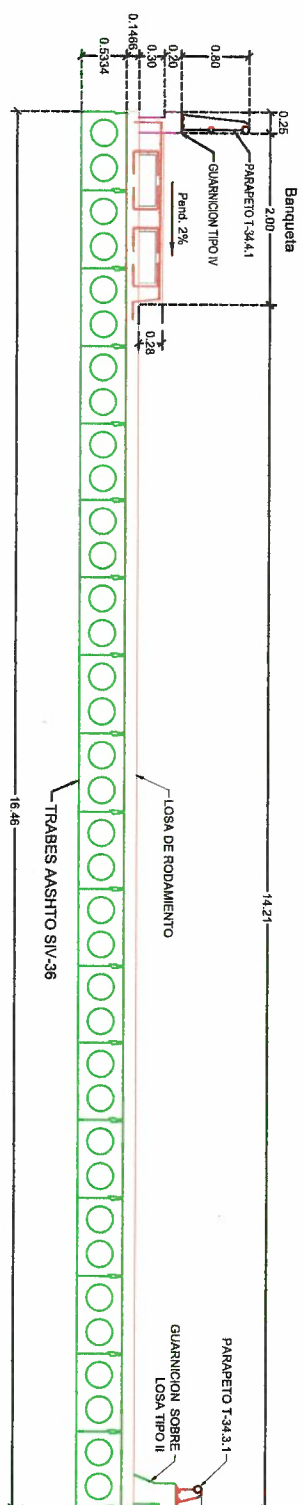
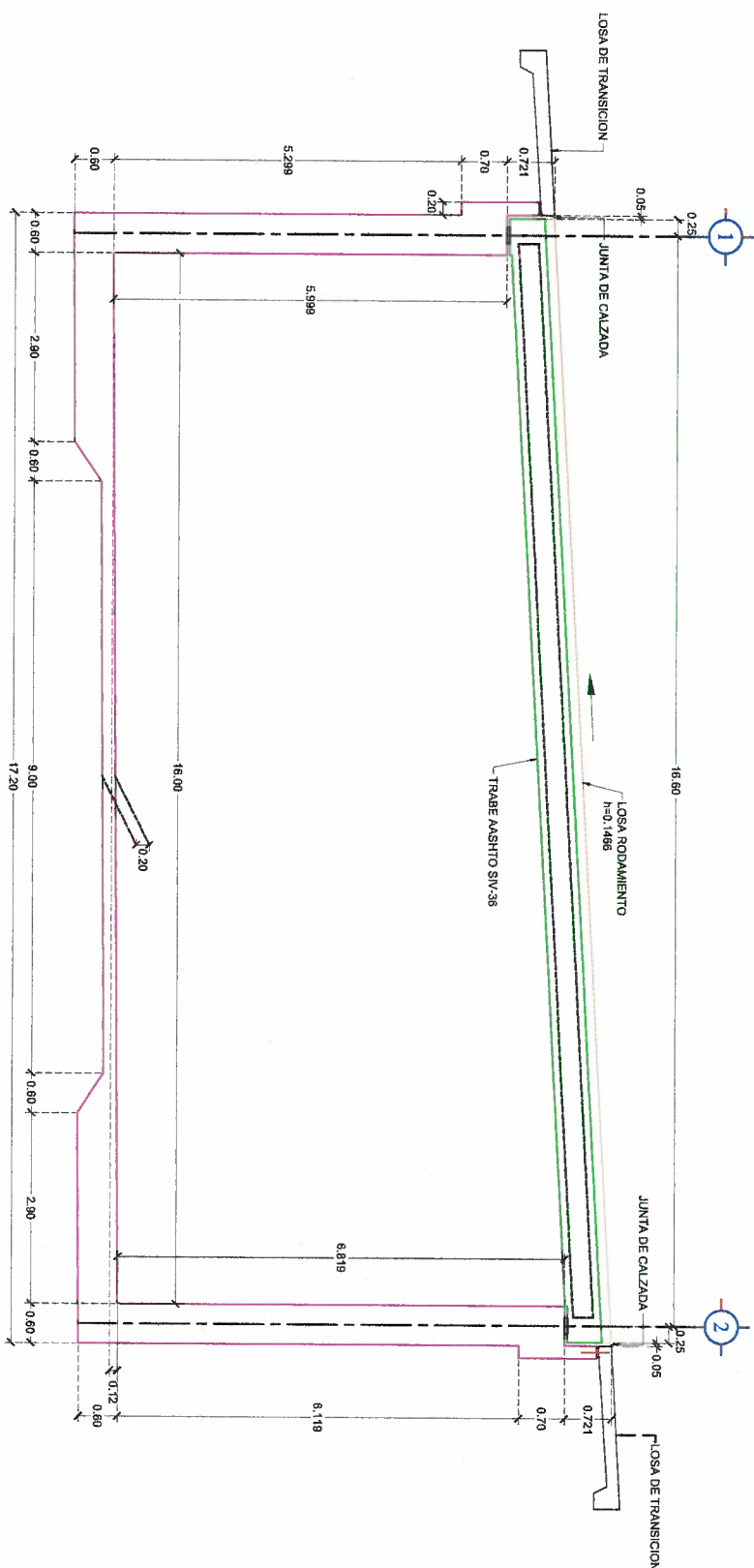
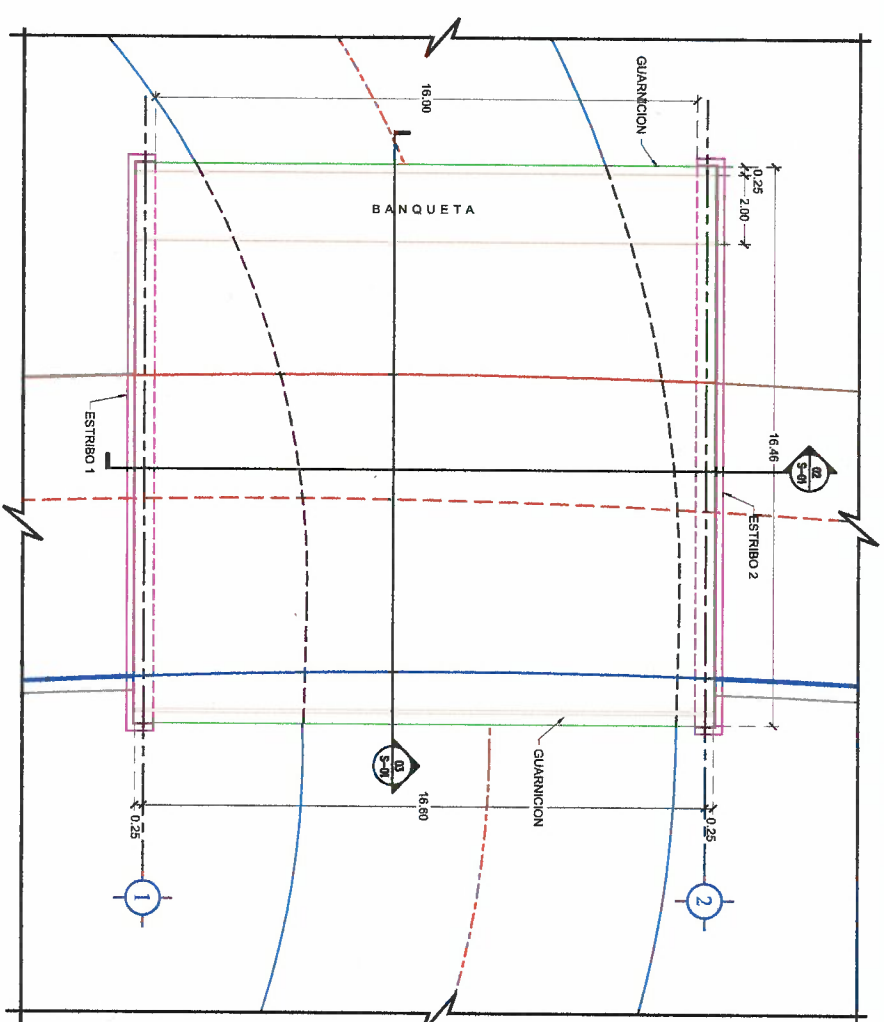
FECHA: JULIO 2018.

NOTAS CONCRETO

- CONCRETO EN LA CANTIDAD DE 1000 m³
- ACERO REFUERZO PT-4200 KNOX.
- NO SE REBABA TRAPAJA LA DEL ACERO DE REFUERZO PARA DEL 25% EN UNA MISMA SECCION.
- SE TOMARA COMO PARTE DE ESTAS RECOMENDACIONES.
- RECOMENDACIONES: 1.00 CM
- RECOMENDACIONES: 1.00 CM

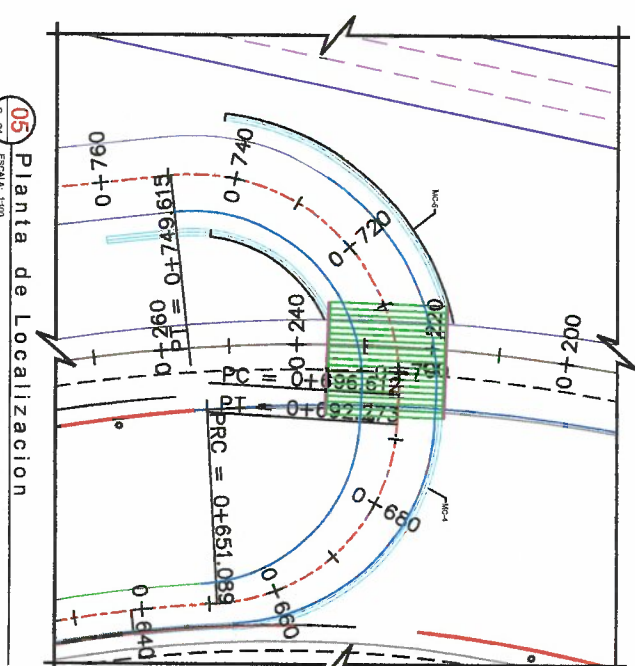
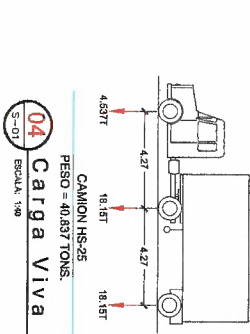
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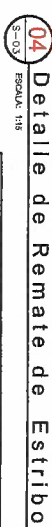
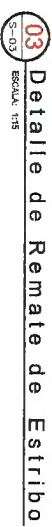
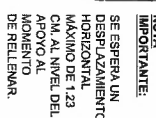
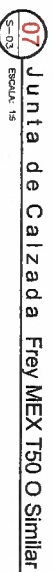
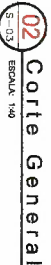
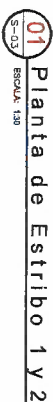
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74	12.0	8.0	8.0
75	12.0	8.0	8.0
76	12.0	8.0	8.0
77	12.0	8.0	8.0
78	12.0	8.0	8.0
79	12.0	8.0	8.0
80	12.0	8.0	8.0
81	12.0		



LISTA DE PLANOS	
Num.	Nombre de Plano
S-01	Plano General
S-02	Trobe
S-03	Estribos 1 y 2
S-04	Muros de Acceso
S-05	Tablas muros de acceso
S-06	Loso de Transición

SUPERESTRUCTURA	
CONCRETO f'=250 kg/cm ² EN TUBOS	105.54 M3
CONCRETO f'=250 kg/cm ² EN LOSA	41.26 M3
CONCRETO f'=250 kg/cm ² EN LOSA DE TRANSICION	17.94 M3
ACERO DE REFUERZO y=4200 kg/cm ² EN LOSA DE TRANSICION	3,550.24 KG
ACERO DE REFUERZO y=4200 kg/cm ² EN TUBOS	6,707.93 KG
ACERO DE REFUERZO y=4200 kg/cm ² EN LOSA	1,576.20 KG
ACERO DE REFUERZO EN TUBOS 13 MM GRUPO 27N L.R.=18000 KG/CMT	6,740.29 KG
DUCTOS 41/2" PARA CABLES	1,370.20 ML
JUNTA DE PLACACION TIPO PREY MEX T 90	32.82 ML
SUBESTRUCTURA	
CONCRETO f'=250 kg/cm ²	
EN ESTRIBOS	246.82 M3
MAROS DE CONTENCION	1,786.19 M3
ACERO DE REFUERZO y=4200 kg/cm ²	
EN ESTRIBOS	26,614.48 KG
EN MAROS DE CONTENCION	167,587.20 KG
NEOPRENO PUREX SHORE 90	48.03 M2

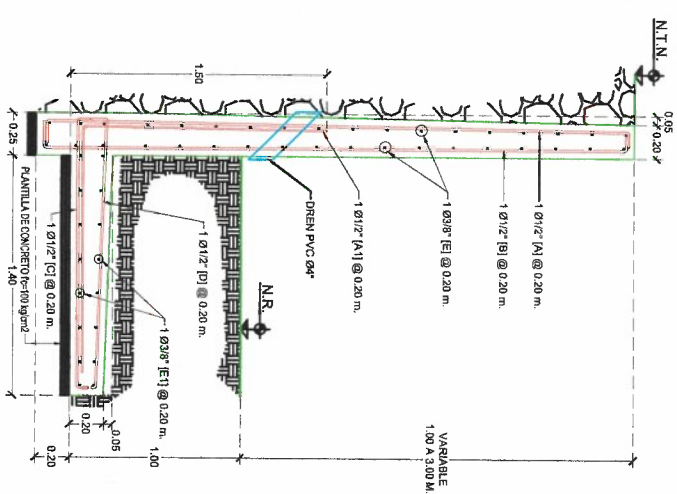




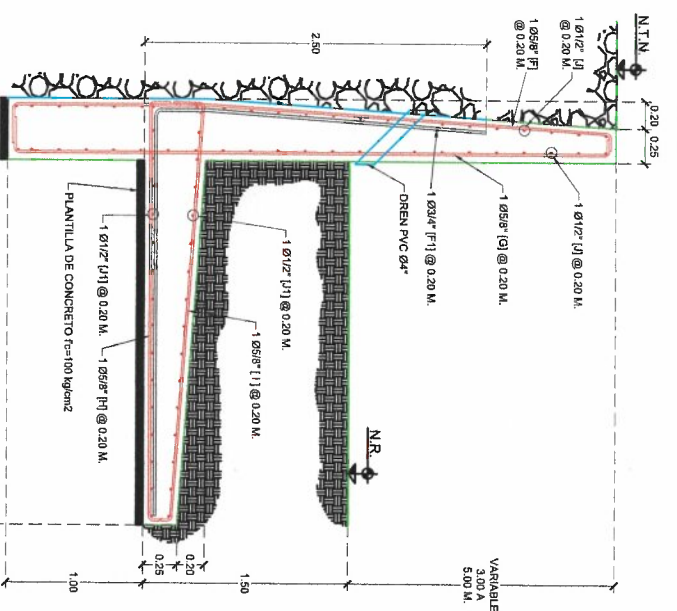
VARILLAS PARA ESTRIBOS						
VAR.	DIM. OUT.	FORMA	CROQUIS	(cm)	h (mm)	PESO KG
A	Ø 170			703	100	30
A1	Ø 170			799	100	34.2
A2	Ø 170			412	100	15.9
B	Ø 170			763	100	30
C	Ø 170			432	100	16.2
D	Ø 88			1782	100	25
E	Ø 88			1020	100	15
F	Ø 118			1728	100	25
G	Ø 187			1728	100	25
H	Ø 10			1746	100	30
I	Ø 88			140	100	15
J	Ø 6			1718	100	15
K	Ø 12			106	100	15
K1	Ø 8			72	100	15
L	Ø 8			282	100	15

MATERIALES PARA ESTRIBOS			
ASIENTO DE ENTIBADO	g=3000	kg/cm²	26.814-40
CONCRETO	f=4000	kg/cm²	26.814-40
ARM. DE CUBILOS			48.00 g/m²
			32.00 kg

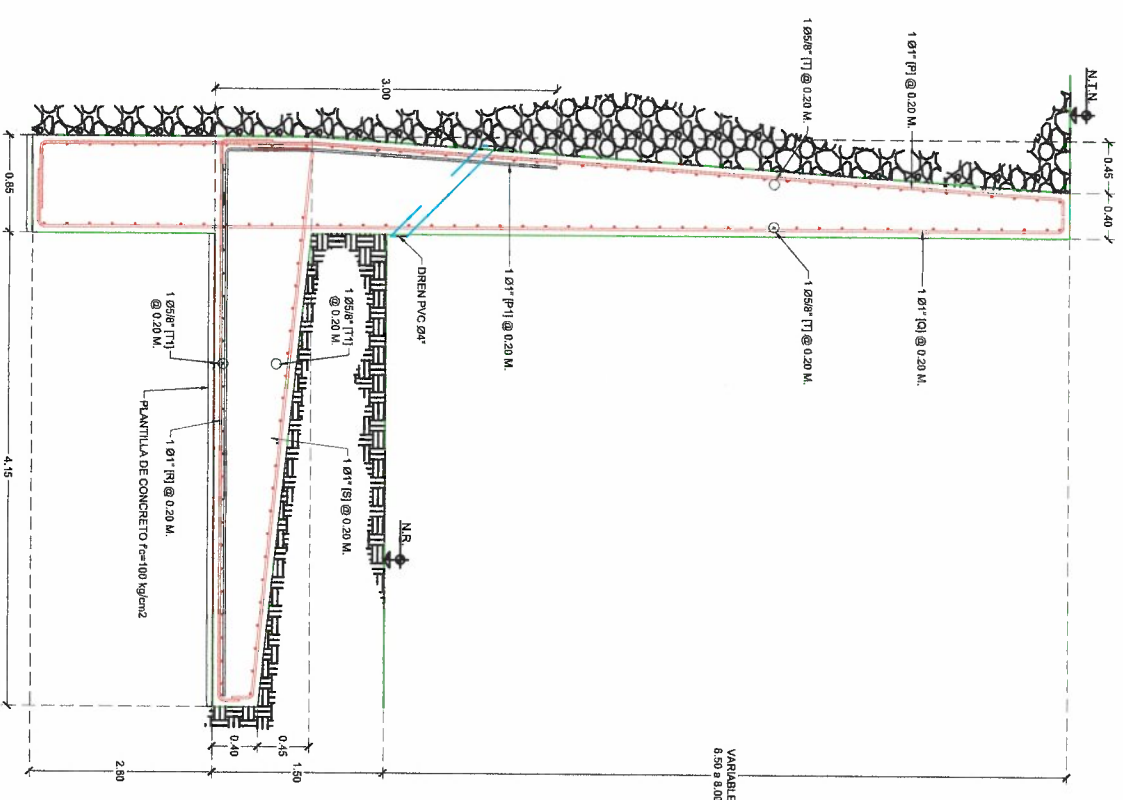
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<td>3/8"</td> <td>100.0</td> </tr> <tr></tr></table>						VARILLAS	Ø	Lt (Cms)	1	3/8"	80.0	2	1/2"	80.0	3	3/8"	100.0	4	3/8"	100.0	5	3/8"	100.0	6	3/8"	100.0	7	3/8"	100.0	8	3/8"	100.0	9	3/8"	100.0	10	3/8"	100.0	11	3/8"	100.0	12	3/8"	100.0	13	3/8"	100.0	14	3/8"	100.0	15	3/8"	100.0	16	3/8"	100.0	17	3/8"	100.0	18	3/8"	100.0	19	3/8"	100.0	20	3/8"	100.0	21	3/8"	100.0	22	3/8"	100.0	23	3/8"	100.0	24	3/8"	100.0	25	3/8"	100.0	26	3/8"	100.0	27	3/8"	100.0	28	3/8"	100.0	29	3/8"	100.0	30	3/8"	100.0	31	3/8"	100.0	32	3/8"	100.0	33	3/8"	100.0	34	3/8"	100.0	35	3/8"	100.0	36	3/8"	100.0	37	3/8"	100.0	38	3/8"	100.0	39	3/8"	100.0	40	3/8"	100.0	41	3/8"	100.0	42	3/8"	100.0	43	3/8"	100.0	44	3/8"	100.0	45	3/8"	100.0	46	3/8"	100.0	47	3/8"	100.0	48	3/8"	100.0	49	3/8"	100.0	50	3/8"	100.0	51	3/8"	100.0	52	3/8"	100.0	53	3/8"	100.0	54	3/8"	100.0	55	3/8"	100.0	56	3/8"	100.0	57	3/8"	100.0	58	3/8"	100.0	59	3/8"	100.0	60	3/8"	100.0	61	3/8"	100.0	62	3/8"	100.0	63	3/8"	100.0	64	3/8"	100.0	65	3/8"	100.0	66	3/8"	100.0	67	3/8"	100.0	68	3/8"	100.0	69	3/8"	100.0	70	3/8"	100.0	71	3/8"	100.0	72	3/8"	100.0	73	3/8"	100.0	74	3/8"	100.0	75	3/8"	100.0	76	3/8"	100.0	77	3/8"	100.0	78	3/8"	100.0	79	3/8"	100.0	80	3/8"	100.0	81	3/8"	100.0	82	3/8"	100.0	83	3/8"	100.0	84	3/8"	100.0	85	3/8"	100.0	86	3/8"	100.0	87	3/8"	100.0	88	3/8"	100.0	89	3/8"	100.0	90	3/8"	100.0	91	3/8"	100.0	92	3/8"	100.0	93	3/8"	100.0	94	3/8"	100.0
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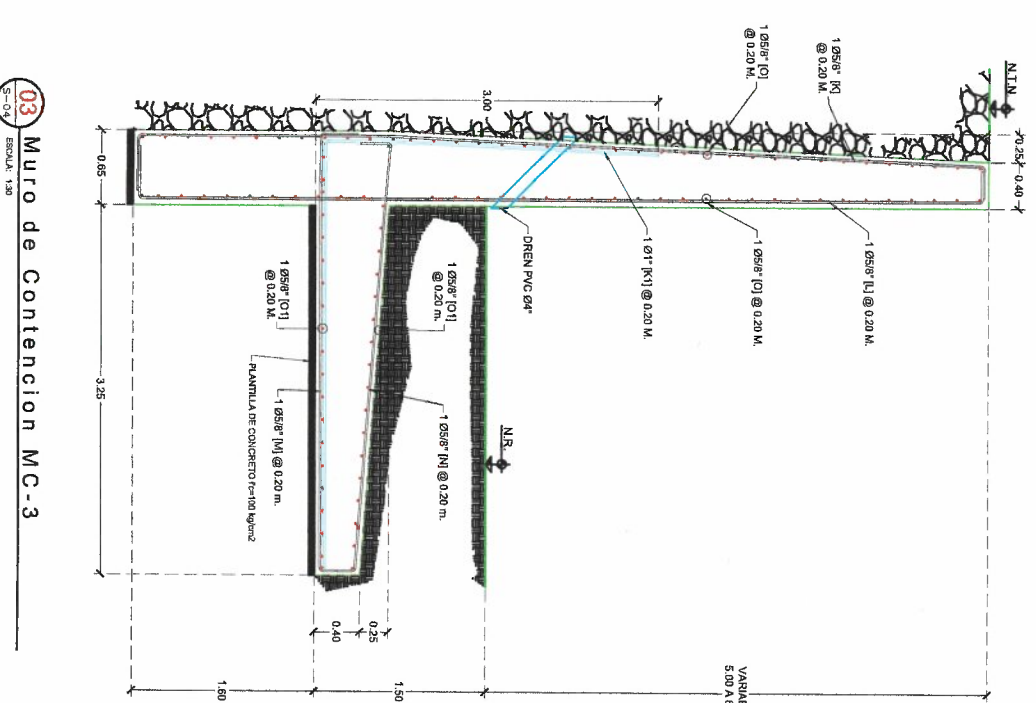
01 Muro de Contencion MC-1
S-04 ESCALA: 1:20



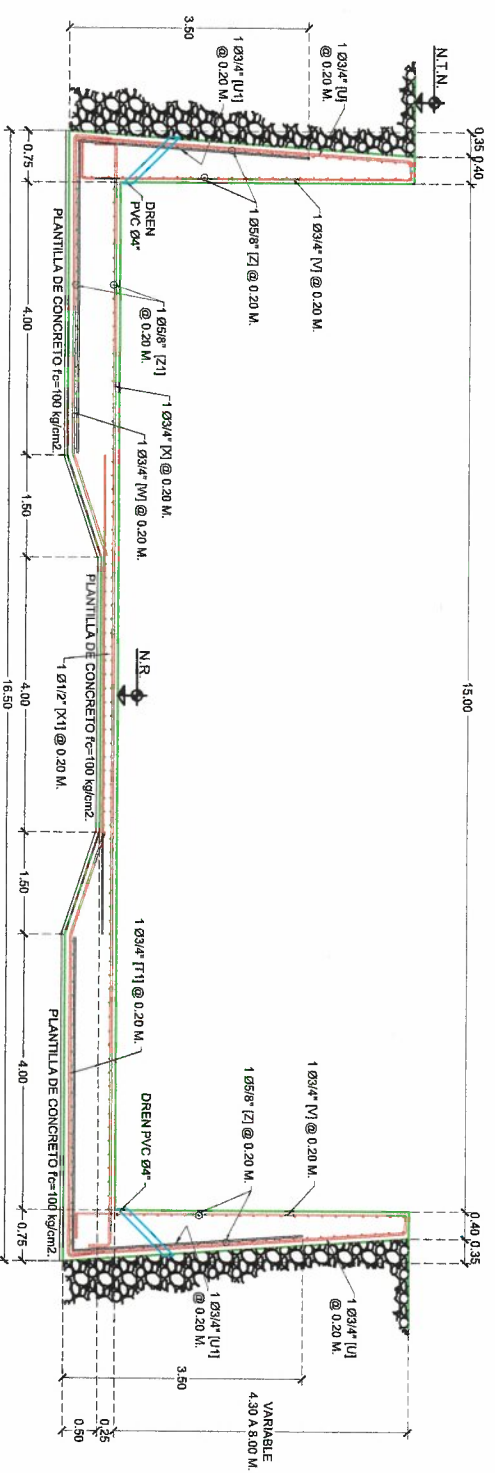
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S-04 ESCALA: 1/25



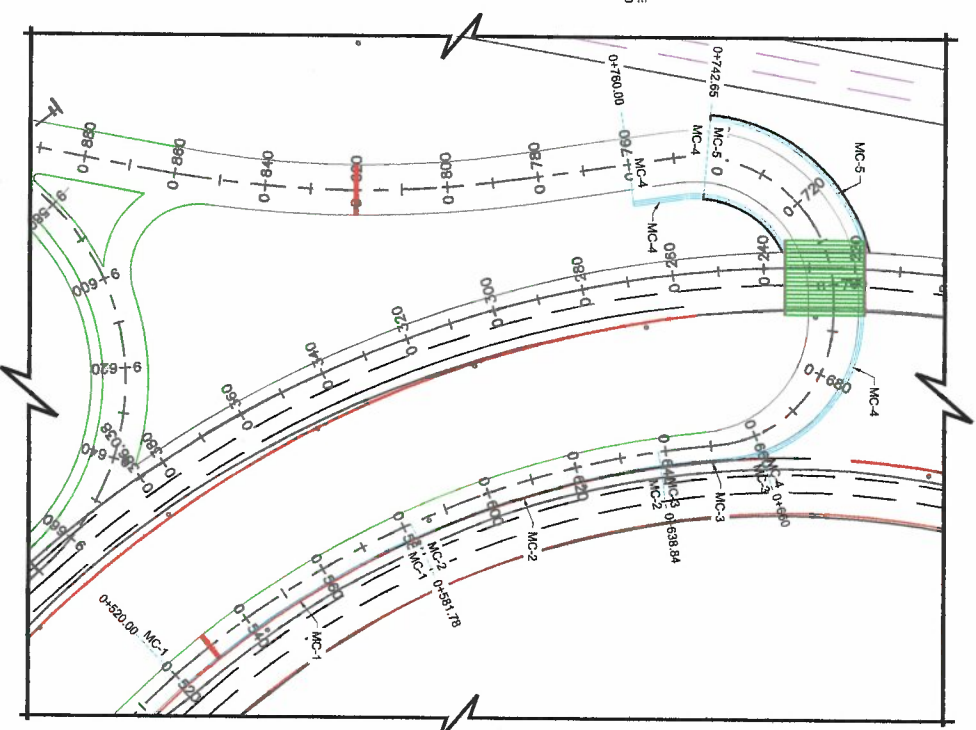
04 Muro de Contencion MC-4
S-04 ESCALA: 1:30



03 Muro de Contencion MC-3
5-04 ESCALA: 1:30



05 Muro de Contencion MC-5
S-04 ERSALIN 1:30



06 Planta de Localización
S-04 ESCALA: 1:30



CHILE
REPÚBLICA DE CHILE
GOBIERNO DE LA REGIÓN DE VALAÍCH

ING. PEDRO J. HERNÁNDEZ ESCOBEDO

FRANCISCO DOMÍNGUEZ RAÚZ

PROYECTO

INDICADA

APROBADA

METROS

FECHA

VALAÍCH 2018

NOTAS CONCRETO

- CONCRETO EN CUBO 15 CM
- ACERO REINFORZO $F_y = 4200$ MPa
- NO SE DEBEAN TIRAR PARA EL ACERO DE REINFORZO MAS DEL 30% DEL VALOR NOMINAL
- NO TENER CORTA PARTE DE ENTRE EL ACERO DE REINFORZO ALASTO ADO
- REINFORZAMIENTO MINIMO = 0.01 CM

TABLA DE VARILLAS

$L =$ LONGITUD DE TRAVES

VARILLAS	ϕ	L (cm)
3	3/8"	80.0
4	1/2"	80.0
5	3/8"	80.0
6	3/8"	150.0
8	1"	150.0



DETALLE DE GANCIO

VARILLAS

VARILLAS	ϕ	L (cm)	A
3	3/8"	120.0	1.0
4	1/2"	160.0	2.0
5	3/8"	160.0	2.0
6	3/8"	220.0	1.0
8	1"	220.0	1.0
9	2.0"	310.0	2.0



DETALLE DE GANCIO

NOTA DE CIMENTACION

CAPACIDAD RECUBRIDA DEL SUELO 20 TONNIA LA CUAL DEBE SER VERIFICADA ANTES DE CONSTRUIR CON EL LABORATORIO DE MECANICA DE SUELOS.

SIMBOLOGIA NIVELES

N.T.N Nivel de Terreno Natural

N.R. Nivel de Rodamiento

UBICACION

CHIRIHUAPUA, CHIR.

PROYECTO

MURO DE CONTENCIÓN

INDICADA

APROBADA

METROS

FECHA

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DETALLE DE GANCIO

TABLA DE VARILLAS

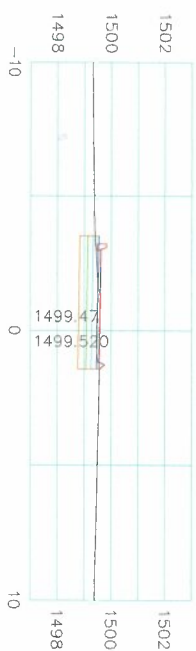
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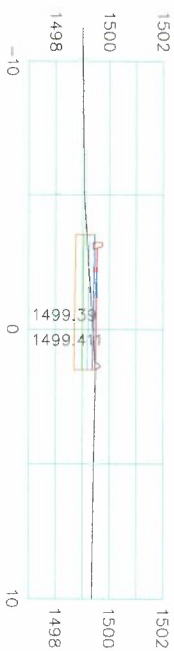
DETALLE DE GANCIO

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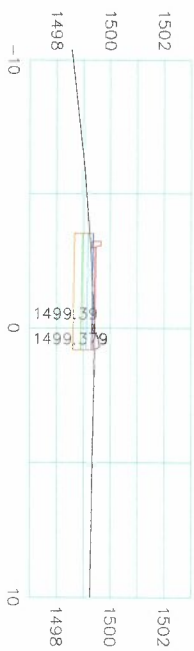
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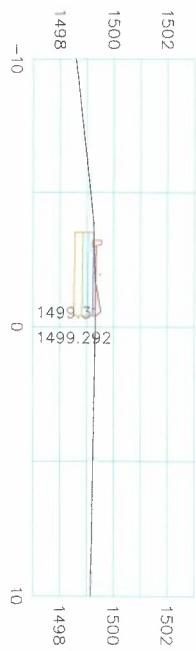
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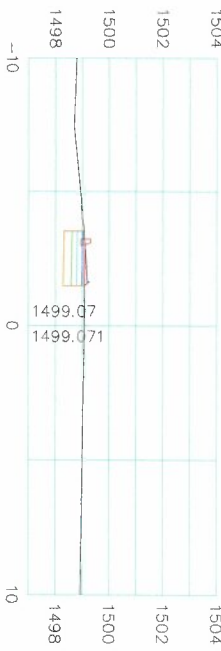
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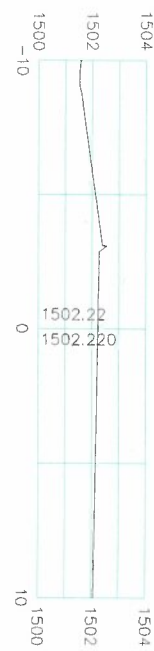
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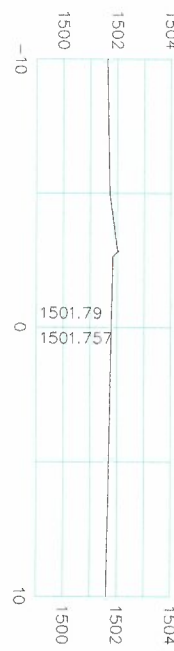
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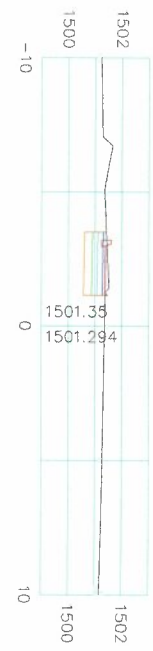
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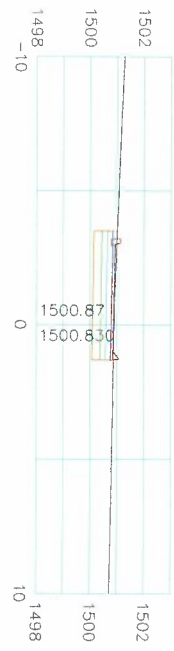
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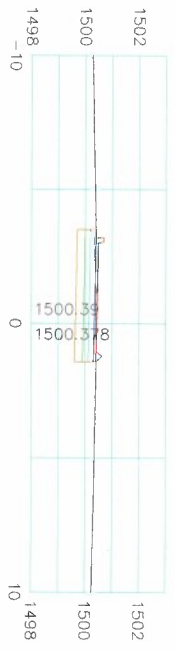
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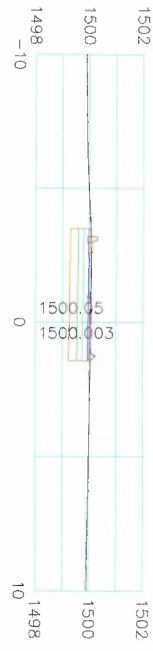
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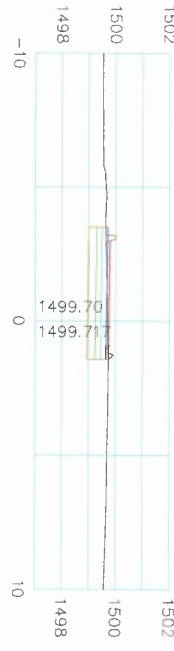
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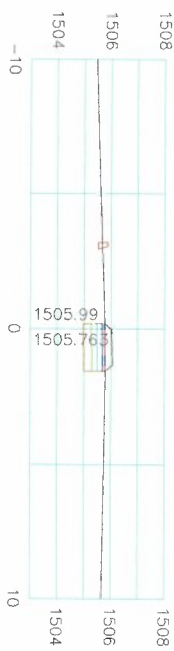
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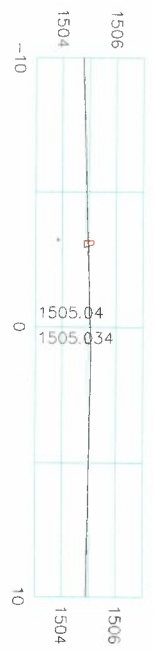
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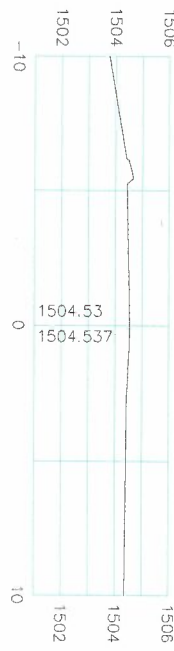
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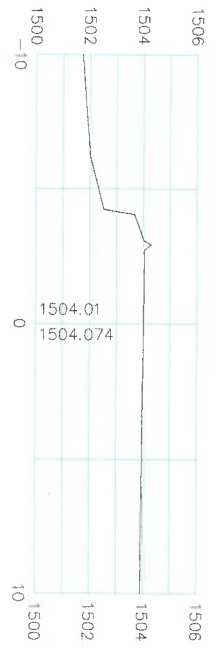
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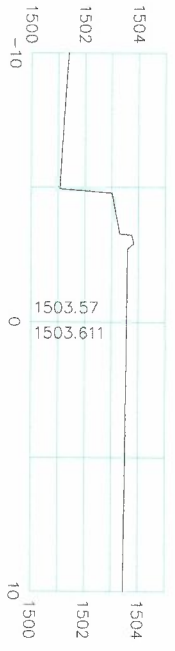
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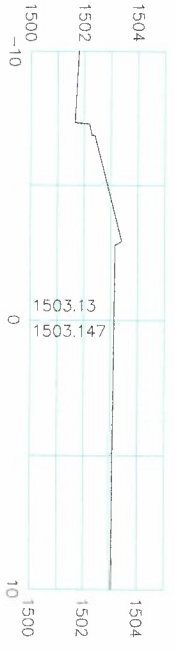
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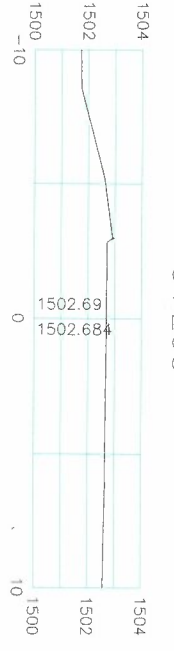
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0+280

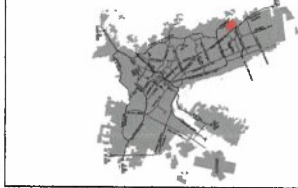


0+260



CHIHUAHUA
GOBIERNO DEL ESTADO

CHIHUAHUA
GOBIERNO MUNICIPAL



CONSEJO DE GOBIERNO
DE LAS CIUDADES DE GUADALUPE
Y SAN MIGUEL

GOBIERNO MUNICIPAL
DE GUADALUPE

GOBIERNO MUNICIPAL
DE GUADALUPE

FECHA	PROYECTO	ESTADO
1	AMPLIACION A SEGUNDO CARRIL DE GAZA UNIVERSITARIA Y ADECUACIONES VIALES EN CIRCUITO UNIVERSITARIO CHIHUAHUA CHIH.	CHIHUAHUA
2		
3		
4		
5		

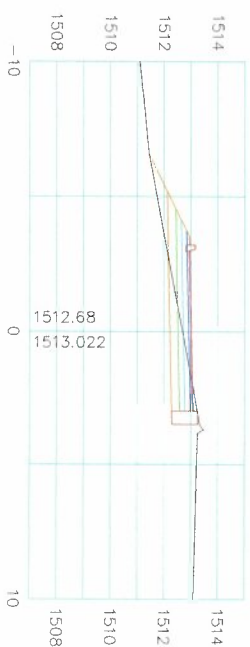
AMPLIACION A SEGUNDO CARRIL DE GAZA UNIVERSITARIA Y ADECUACIONES VIALES EN CIRCUITO UNIVERSITARIO CHIHUAHUA CHIH.

PROYECTO:
DEPARTAMENTO DE PROYECTOS
SECCIONES

SE-01

SECCIONES

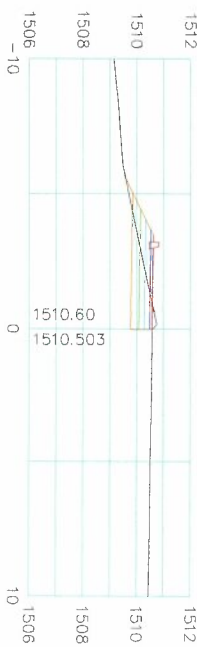
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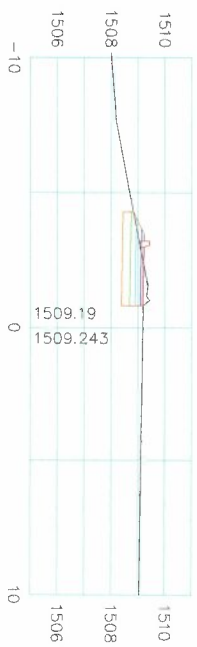
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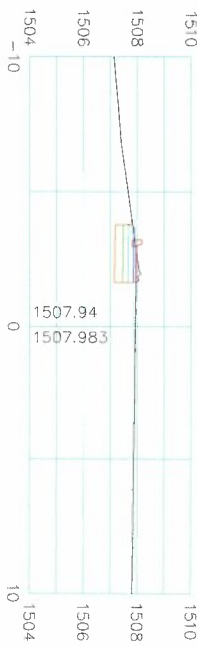
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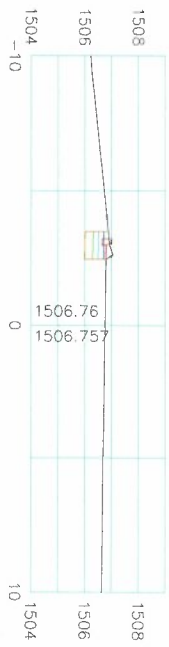
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0+420



0+400



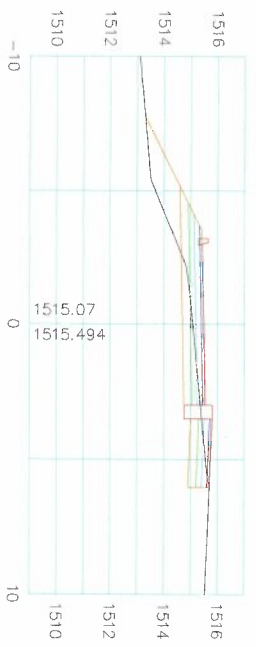
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0+560



0+540



0+520.720



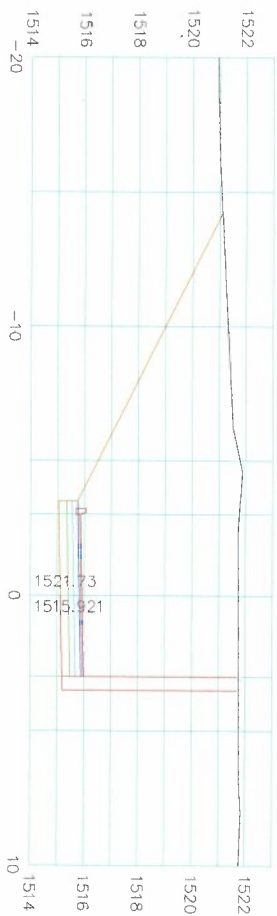
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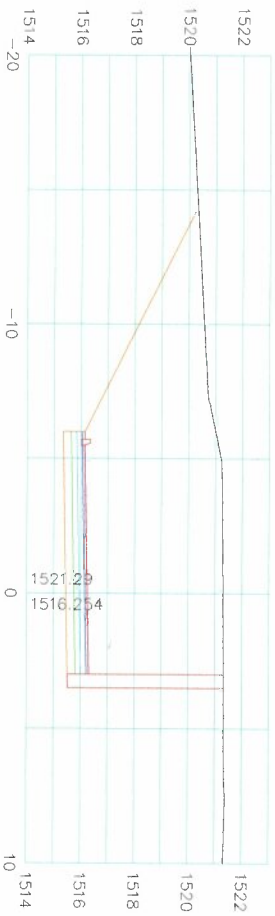
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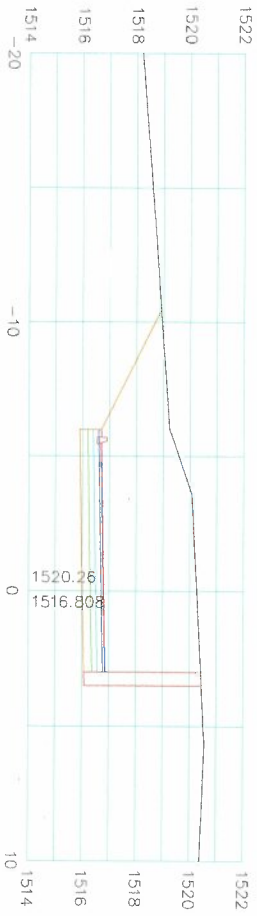
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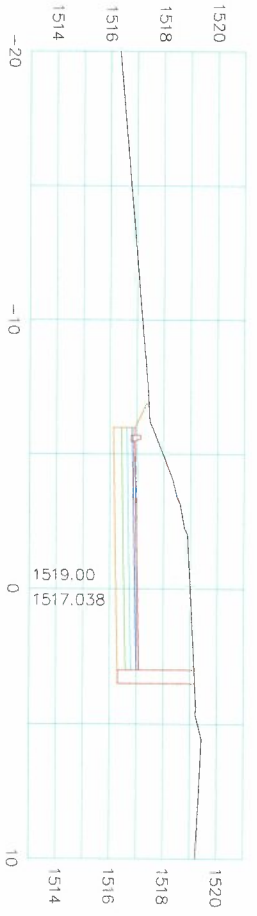
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0+620



0+600



CHIHUAHUA
GOBIERNO DEL ESTADO DE CHIHUAHUA
SECRETARÍA DE OBRAS PÚBLICAS Y VIVIENDA

CHIHUAHUA
GOBIERNO DEL ESTADO DE CHIHUAHUA
SECRETARÍA DE OBRAS PÚBLICAS Y VIVIENDA



COORDINADOR
EL LÍNEA DE TRAZO AL TENDIDO
DEL CARRIL DE LA VÍA UNIVERSITARIA
A VIVIENDA COPIA EN OBRAS

CONTROL DE REVISIONES
Nº. REVISIÓN
FECHA REVISIÓN
1
2
3
4
5

PROYECTO:
AMPLIACION A SEGUNDO
CARRIL DE GAZA UNIVERSITARIA
Y ADECUACIONES VIALES EN
CIRCUITO UNIVERSITARIO
CHIHUAHUA CHIH.

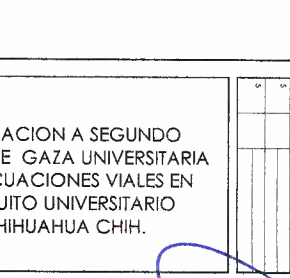
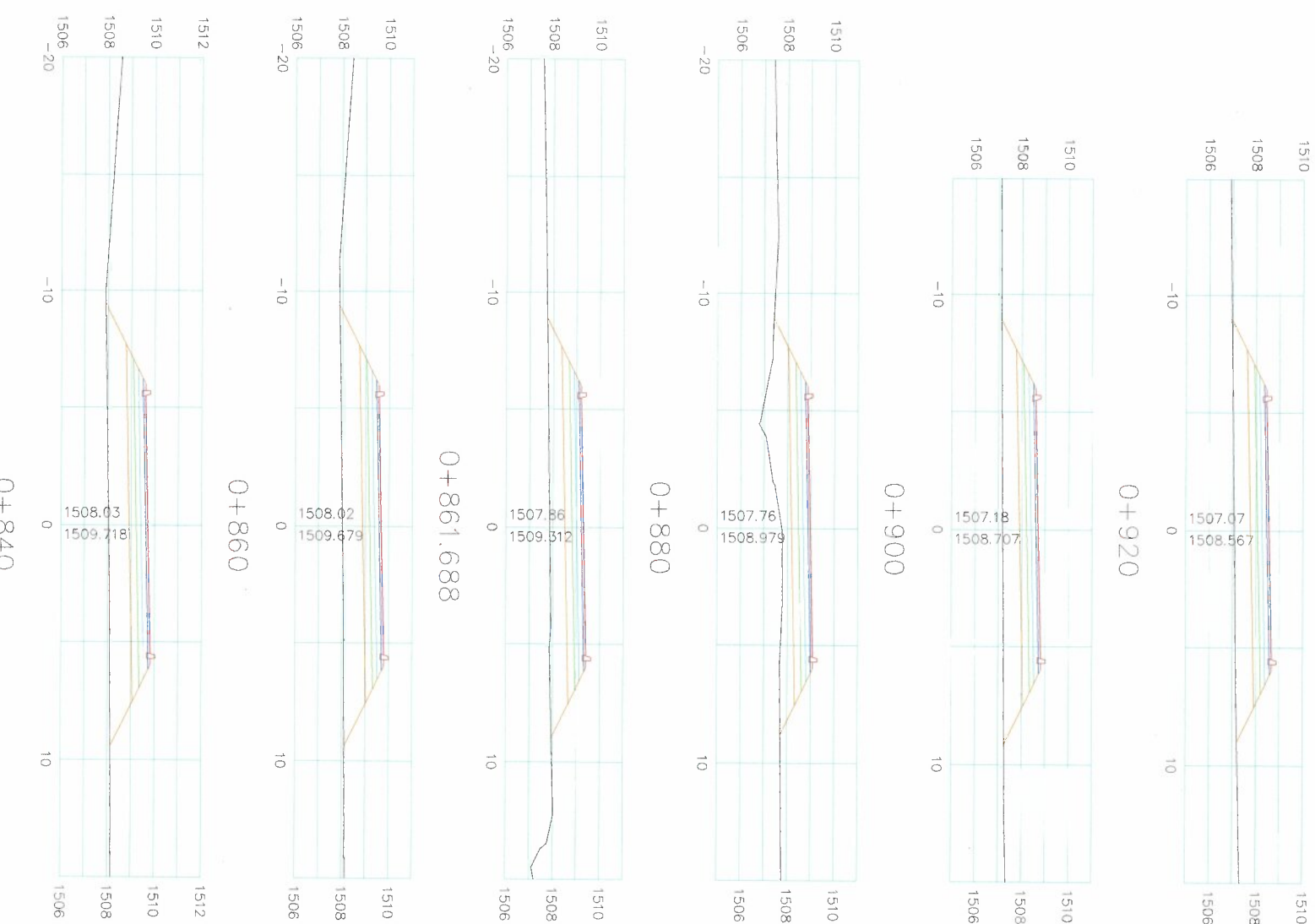
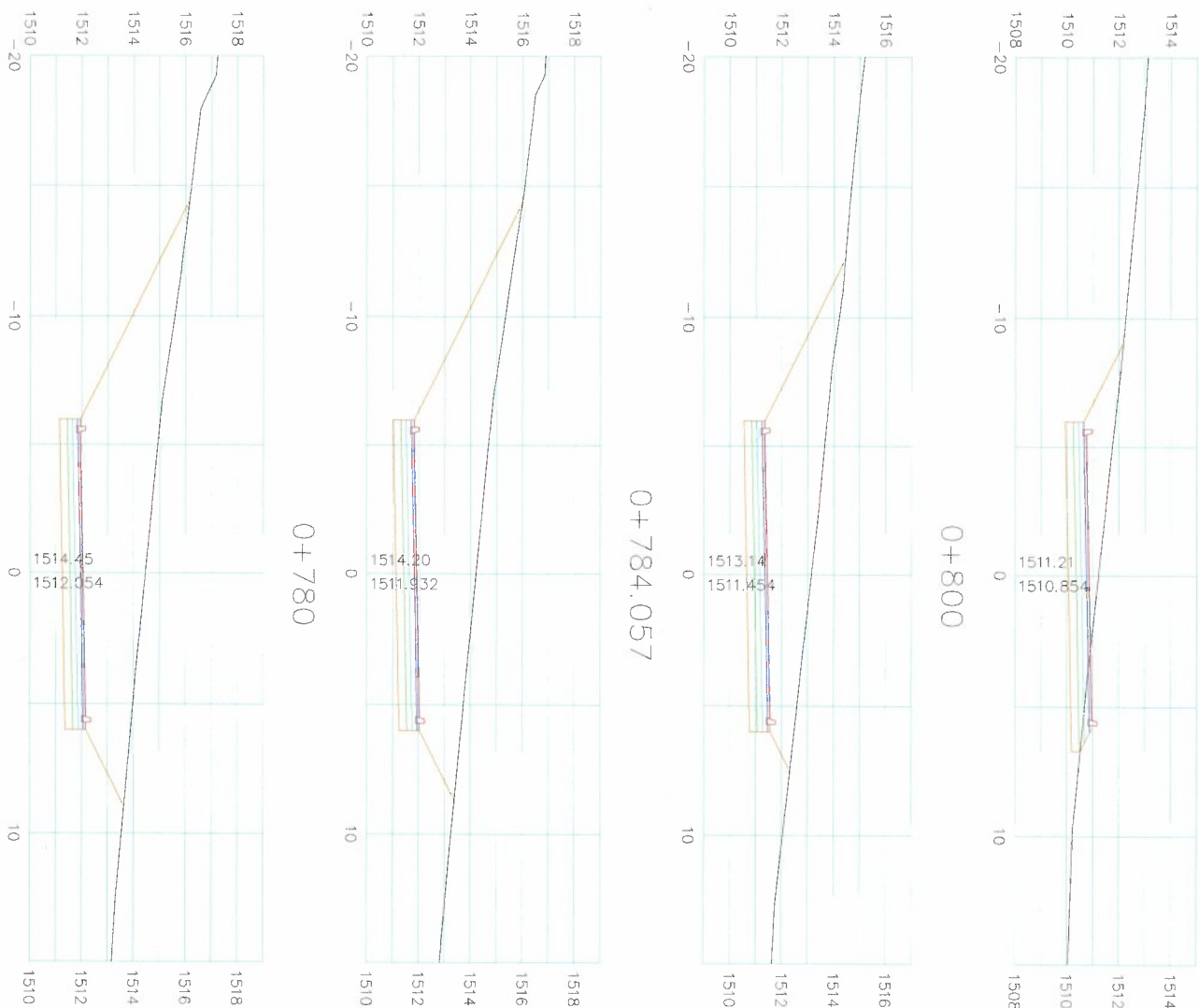
UBICACION:
PERIFERICO DE LA VIVIENDA
Y CIRCUITO UNIVERSITARIO
NOMBRE DEL PLAZO: TECN. JUAN CARLOS
SECCIONES

DEPARTAMENTO DE
PROYECTOS
INGENIERO EN CARRETERAS
SE-02

PROYECTO:
AMPLIACION A SEGUNDO
CARRIL DE GAZA UNIVERSITARIA
Y ADECUACIONES VIALES EN
CIRCUITO UNIVERSITARIO
CHIHUAHUA CHIH.

PROYECTO:
AMPLIACION A SEGUNDO
CARRIL DE GAZA UNIVERSITARIA
Y ADECUACIONES VIALES EN
CIRCUITO UNIVERSITARIO
CHIHUAHUA CHIH.

SECCIONES





GOBIERNO DEL ESTADO DE CHIHUAHUA



SECRETARÍA DE TRANSPORTES



UNIVERSIDAD DEL ESTADO DE CHIHUAHUA



LOCALIZACIÓN

PROYECTO:

AMPLIACION A SEGUNDO CARRIL DE GAZA UNIVERSITARIA Y ADECUACIONES VIALES EN CIRCUITO UNIVERSITARIO CHIHUAHUA CHIH.

FECHA DE ELABORACION:

FECHA DE REVISION:

FECHA DE APROBACION:

PROYECTO:

DEPARTAMENTO DE:

PROYECTOS:

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SECCIONES

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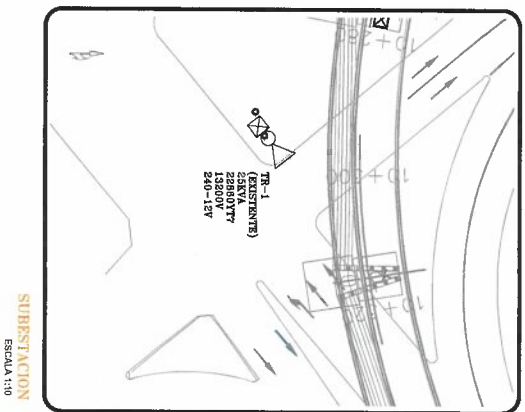
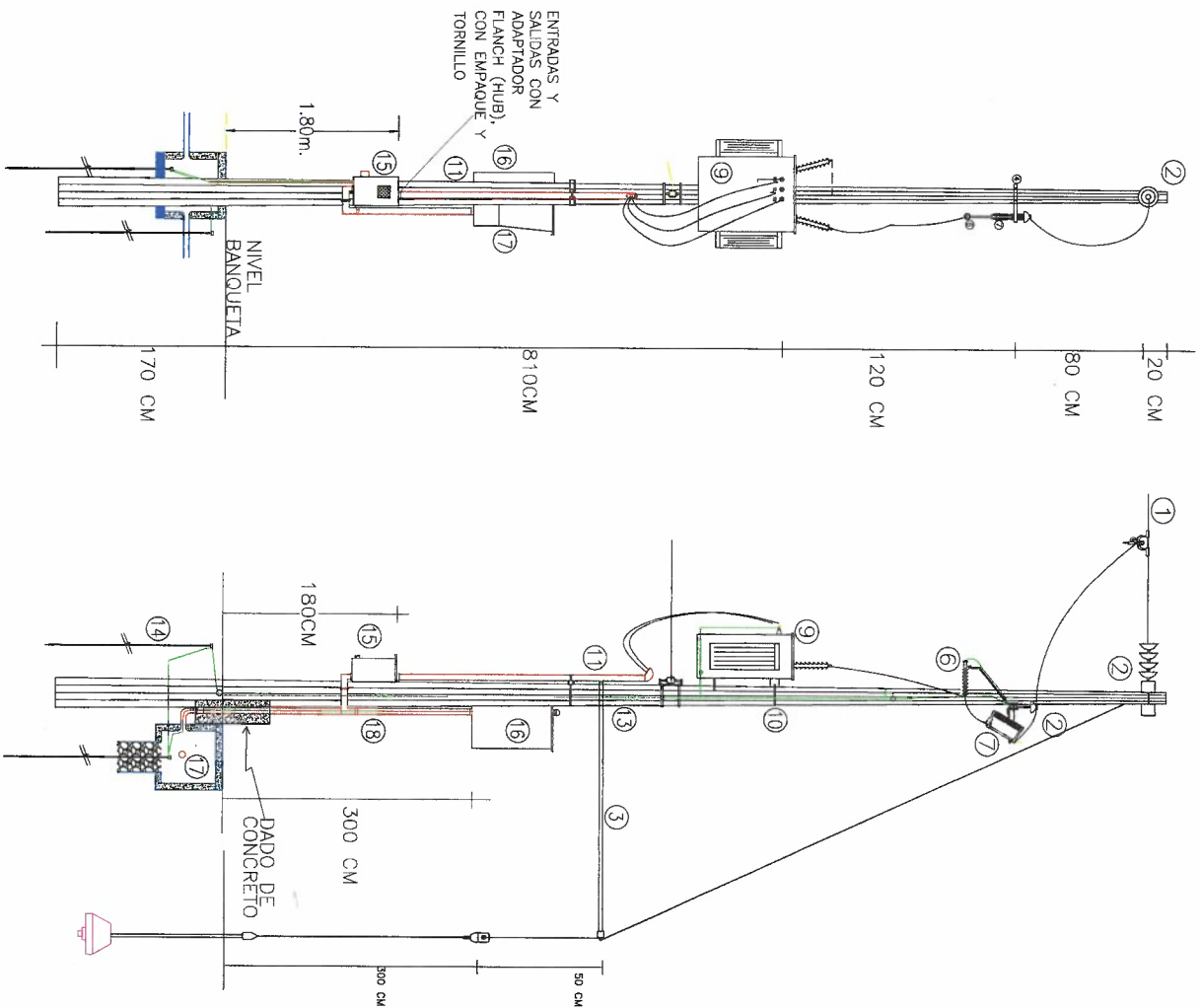
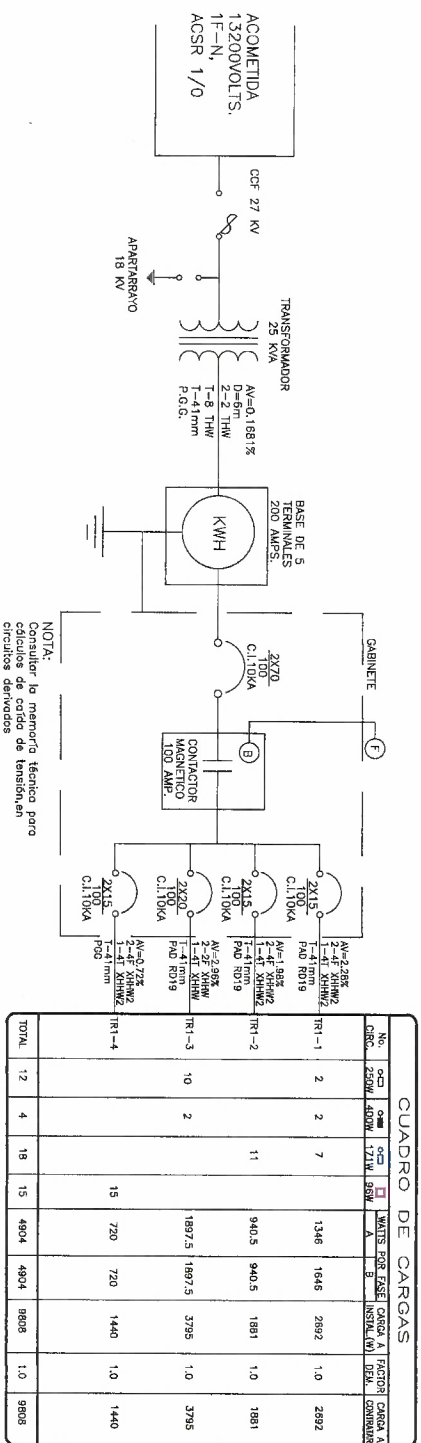
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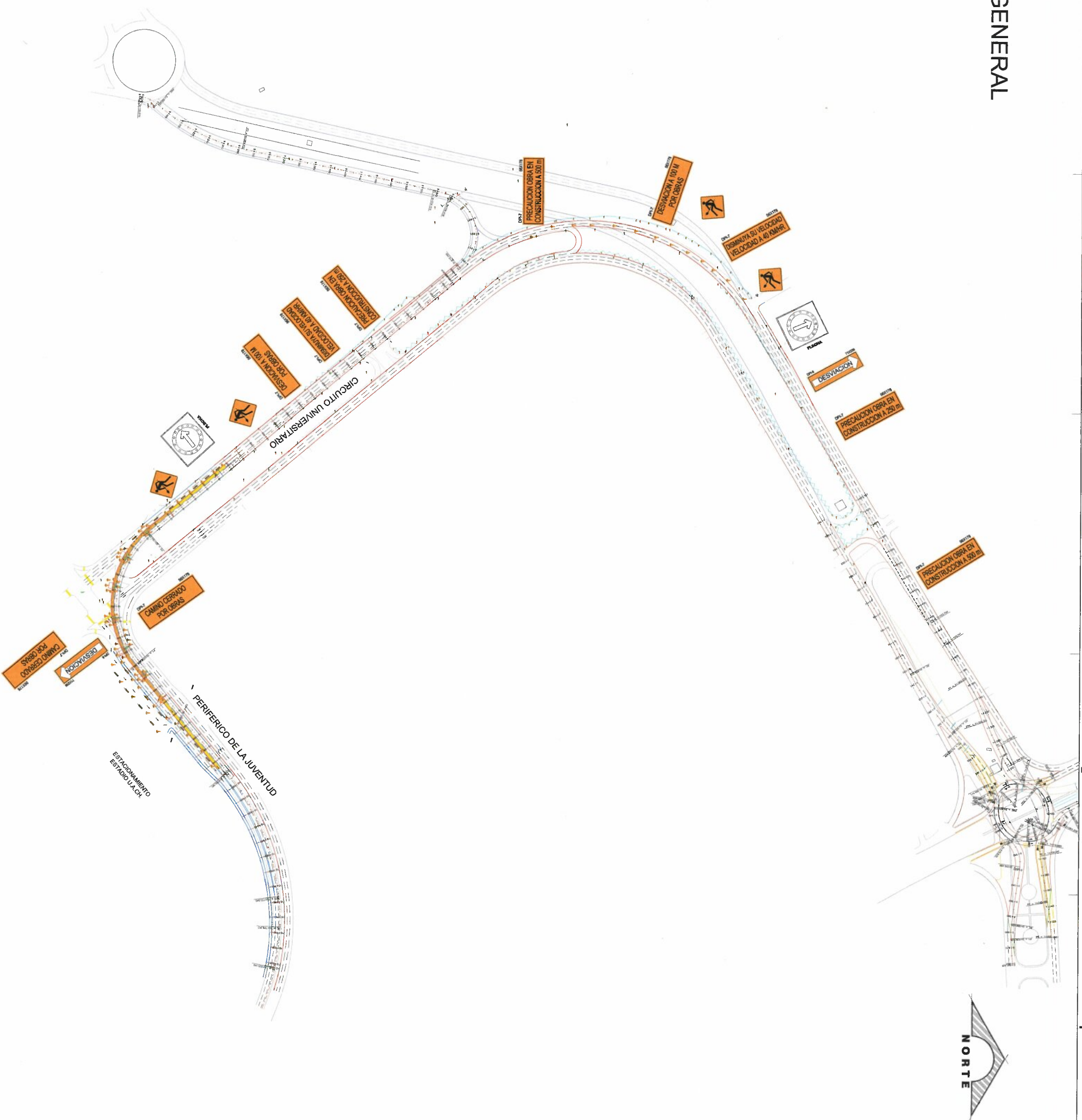
DIAGRAMA UNIFILAR PARA TR1



MUNICIPIO CHIHUAHA	
DIRECCION DE OBRAS PUBLICAS	
LA PRESIDENTA DEL MANTENIMIENTO URBANO CENTRALA HERRERA REYNOLDO EL PRESIDENTE PROYECTO DE ALUMINADO DE LAS CALLES DE LA ZONA DE LA GAZA UNIVERSITARIA, DE SU ABOG. A PARTIR DEL _____ DE _____ DE 20____.	
ZONA CHIHUAHA TITULO ADAPTACION DE LA GAZA UNIVERSITARIA. DIRECCION VALADAD LOS NOGALES Y CIRCUITO UNIVERSITARIO CD. CHIHUAHA, COH.	
ESC. IND PREPARO A.B.O DIBUJO A.B.R REVISO ING. A.B.O.	APROBADO 
JUNIO 2019 IE-3	

NOTA:
Consultar la memoria técnica para
cálculos de caída de tensión, en
circuitos derivados

PLANO GENERAL



CHIHUAHUA
GOBIERNO DEL ESTADO

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AMPLIACION A SEGUNDO
CARRIL DE GAZA UNIVERSITARIA
Y ADECUACIONES VIALES EN
CIRCUITO UNIVERSITARIO
CHIHUAHUA CHIH.

PROYECTO:
PERIFERICO DE LA JUVENTUD
Y CIRCUITO UNIVERSITARIO
PLANTA GENERAL
SERIALAMIENTO PROYCCIONAL
DEPARTAMENTO DE
PROYECTOS
SERIALAMIENTO PROYCCIONAL
SEN. PROV. - 01

