

FUENTE : HOJAS 22h, 22i, CARTA NACIONAL 1:100,000 IGN-1995

LEYENDA

SIMBOLO	DESCRIPCION
--- (dashed blue line)	LIMITE PROVINCIAL
~ (wavy blue line)	DOS O MAS VIAS
— (solid green line)	UNA VIA
••••• (red dots)	LUGARES POBLADOS
— (solid blue line)	RIO
● (red circle)	OBRAS VALLE SUPE

**PRESIDENCIA DE LA REPUBLICA**  
**MINISTERIO DE AGRICULTURA**  
**PROYECTO SUBSECTORIAL DE IRRIGACION**

---

PROGRAMA DE RECONSTRUCCION DE LA INFRAESTRUCTURA DE RIEGO  
DEL VALLE DE SUPE  
COMISION DE REGANTES DE SUPE

---

CONSORCIO JCCG EIRL - PROYEC S.A.

---

**PLANO GENERAL DE UBICACION**  
**OBRAS VALLE SUPE**

ESCALA : S/E	FECHA : ABRIL 2000	DPTO. LIMA	PROV. BARRANCA	DIST. SUPE	U-01
-----------------	-----------------------	---------------	-------------------	---------------	------

OBRA: RECONSTRUCCION DE LA INFRAESTRUCTURA DE RIEGO DAÑADA POR EL FENOMENO EL NIÑO EN LOS VALLES DE FORTALEZA, PATIVILCA Y SUPE - DEPARTAMENTO LIMA  
 CONTRATISTA: J.C. CONTRAT. GENER. EIRL-PROYEC S.A. ASOCIADOS

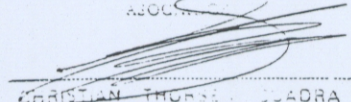
**PRESUPUESTO CONTRACTUAL**

N°	DESCRIPCION	PRESUPUESTO CONTRACTUAL				VALORIZ N°01		VALORIZ N°02		VALORIZ N°03		VALORIZ N°04		VALORIZ N°04A		VALORIZ N°05		VALORIZ N°06		VALOR. DE CIERRE		LIQUIDACION		DEDUCTIVO				
		UND	MET.	P. UNIT.	PARCIAL	MET.	S/.	MET.	S/.	MET.	S/.	MET.	S/.	MET.	S/.	MET.	S/.	MET.	S/.	MET.	S/.	MET.	S/.	MET.	S/.			
<b>01</b>	<b>TOMA - CANAL - ACUEDUCTO JAIVA II</b>																											
<b>01.01</b>	<b>OBRAS PRELIMINARES</b>																											
01.01.01	Mov. y Desmov.	GLB	1.00	3,810.00	3,810.00	0.50	1,905.00	0.00	0.00	0.25	952.50	0.25	952.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
01.01.02	Cartel de Obra	UND	0.49	694.42	340.27	0.49	340.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	3,810.00	0.00	0.00		
01.01.03	Limpieza y desbroce de terreno-man	M2	250.00	1.55	387.50	250.00	387.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	340.27	0.00	0.00		
01.01.04	Trazo y Replanteo (toma)	M2	200.00	1.47	294.00	200.00	294.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	250.00	387.50	0.00	0.00		
01.01.05	Trazo y Replanteo (acueducto)	KM	0.08	711.54	56.92	0.08	56.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.00	294.00	0.00	0.00		
					<b>4,888.69</b>		<b>2,983.69</b>		<b>0.00</b>		<b>952.50</b>		<b>952.50</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.08</b>	<b>56.92</b>	<b>0.00</b>	<b>0.00</b>	
<b>01.02</b>	<b>MOVIMIENTO DE TIERRAS</b>																											
01.02.01	Exc. /maq./mat. suelto	M3	700.00	2.33	1,631.00	0.00	0.00	700.00	1,631.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	700.00	1,631.00	0.00	0.00	
01.02.02	Exc. bajo agua/maq./mat. suelto	M3	101.00	9.32	941.32	0.00	0.00	12.48	116.31	88.52	825.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101.00	941.32	0.00	0.00	
01.02.03	Conformación de Terrapienes (R)	M3	386.00	2.79	1,076.94	0.00	0.00	386.00	1,076.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	386.00	1,076.94	0.00	0.00	
01.02.04	Reil.comp. c/eq.liv. c/mat.propio(Re)	M3	586.00	8.55	5,010.30	0.00	0.00	0.00	0.00	366.07	3,129.90	192.40	1,645.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	586.00	4,774.92	27.53	235.38	
					<b>8,669.56</b>		<b>0.00</b>		<b>2,824.26</b>		<b>3,954.91</b>		<b>1,645.02</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>586.00</b>	<b>4,774.92</b>	<b>27.53</b>	<b>235.38</b>	
<b>01.03</b>	<b>TOMA-CONCRETO</b>																											
01.03.01	Concreto fc= 100 kg/cm2	M3	7.80	157.50	1,228.50	0.00	0.00	7.80	1,228.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.80	1,228.50	0.00	0.00	
01.03.02	Concreto fc= 210 kg/cm2	M3	17.10	227.51	3,890.42	0.00	0.00	11.51	2,618.64	1.13	257.09	-0.06	-13.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.10	3,890.42	0.00	0.00
01.03.03	Acero de refuerzo fy= 4200 kg/cm2	KG	347.00	2.27	787.69	0.00	0.00	347.00	787.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	347.00	787.69	4.52	1028.35	
01.03.04	Encof. y Desencof. Muros-Caravista	M2	79.00	26.68	2,107.72	0.00	0.00	34.04	908.19	4.46	118.99	-1.06	-28.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.73	83.38	383.73	871.07	-36.73	-83.38		
01.03.05	Piedra Asentada y Emboquillada 1.3	M3	16.50	143.74	2,371.71	0.00	0.00	15.28	2,196.36	1.22	175.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.50	2,371.71	0.00	0.00	
01.03.06	C.C. fc=140 KG/CM2 + 30% PM	M3	3.80	118.62	450.76	0.00	0.00	0.00	0.00	3.80	450.76	-1.51	-179.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.80	450.76	0.00	0.00	
01.03.07	Bombeo Q=25 L/S	HM	26.00	13.36	347.36	0.00	0.00	10.00	133.60	16.00	213.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.00	347.36	0.00	0.00	
					<b>11,184.16</b>		<b>0.00</b>		<b>7,872.97</b>		<b>1,215.96</b>		<b>-221.06</b>		<b>0.00</b>		<b>216.47</b>		<b>5.87</b>		<b>5,417.95</b>		<b>14,608.17</b>		<b>-3,324.01</b>			
<b>01.04</b>	<b>ACUEDUCTO-CONCRETO</b>																											
01.04.01	Concreto fc= 100 kg/cm2	M3	13.00	157.50	2,047.50	0.00	0.00	8.70	1,370.25	1.48	233.10	2.82	444.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.00	2,047.50	0.00	0.00
01.04.02	Concreto fc= 210 kg/cm2	M3	86.00	227.51	19,565.86	0.00	0.00	68.01	16,472.96	17.99	4,092.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.00	19,565.86	0.00	0.00
01.04.03	Acero de refuerzo fy=4200 kg/cm2	KG	5,576.00	2.27	12,657.52	0.00	0.00	3,267.00	7,416.09	1,628.82	3,697.42	65.84	149.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,576.00	12,657.52	0.00	0.00
01.04.04	Encof. y Desencof. - Caravista/1c	M2	322.00	26.68	8,590.96	0.00	0.00	0.00	0.00	322.00	8,590.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	322.00	8,590.96	0.00	0.00
					<b>42,861.84</b>		<b>0.00</b>		<b>24,259.30</b>		<b>16,614.38</b>		<b>653.61</b>		<b>0.00</b>		<b>0.00</b>		<b>1,394.55</b>		<b>-19.44</b>		<b>42,842.41</b>		<b>19.43</b>			
<b>01.05</b>	<b>DIQUE-OBRAS DE PROTECCION</b>																											
01.05.01	Revestimiento con Manta Geotextil	M2	311.00	8.98	2,792.78	0.00	0.00	311.00	2,792.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	311.00	2,792.78	0.00	0.00
01.05.02	Filtro de Grava (Gg)	M3	118.30	42.11	4,981.61	0.00	0.00	118.30	4,981.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	118.30	4,981.61	0.00	0.00
01.05.03	Enrocado de Protección c/maq (E3.E)	M3	225.00	47.62	10,714.50	0.00	0.00	225.00	10,714.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	225.00	10,714.50	0.00	0.00
01.05.04	Gaviones de 2 X 1 X 1 M	UND	56.00	320.65	17,967.60	0.00	0.00	0.00	0.00	56.00	17,967.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.00	17,967.60	0.00	0.00
					<b>36,466.49</b>		<b>0.00</b>		<b>18,488.89</b>		<b>17,967.60</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>			
<b>01.06</b>	<b>ACUEDUCTO-OBRAS DE PROTEC.</b>																											
01.06.01	Revestimiento con Manta Geotextil	M2	102.00	8.98	915.96	0.00	0.00	77.60	696.86	0.00	0.00	24.40	219.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.00	915.96	0.00	0.00
01.06.02	Filtro de Grava	M3	33.00	42.11	1,389.63	0.00	0.00	0.00	0.00	0.00	0.00	33.00	1,389.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.00	1,389.63	0.00	0.00
01.06.03	Enrocado de Protección c/maq. (E4)	M3	56.00	47.62	2,666.72	0.00	0.00	0.00	0.00	0.00	0.00	56.00	2,666.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.00	2,666.72	0.00	0.00
					<b>4,972.31</b>		<b>0.00</b>		<b>696.86</b>		<b>0.00</b>		<b>4,276.46</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>			
<b>01.07</b>	<b>EQUIPO HIDROMECHANICO</b>																											
01.07.01	Suministro y Montaje Rejilla	UND	1.00	2,140.24	2,140.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2,140.24	0.00	0.00
01.07.02	Sum. y Mont. Compuerta	UND	1.00	1,430.49	1,430.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1,430.49	0.00	0.00
01.07.03	Atagura de Madera (Tablas de 3"X8")	M2	0.95	409.46	388.99	0.00</																						

OBRA: RECONSTRUCCION DE LA INFRAESTRUCTURA DE RIEGO DAÑADA POR EL FENOMENO EL NIÑO EN LOS VALLES DE FORTALEZA, PATIVILCA Y SUPE - DEPARTAMENTO LIMA  
 CONTRATISTA: J.C. CONTRAT. GENER. EIRL-PROYEC S.A. ASOCIADOS

**PRESUPUESTO CONTRACTUAL**

N°	DESCRIPCION	PRESUPUESTO CONTRACTUAL				VALORIZ N°01		VALORIZ N°02		VALORIZ N°03		VALORIZ N°04		VALORIZ N°04A		VALORIZ N°05		VALORIZ N°06		VALOR. DE CIERRE		LIQUIDACION		DEDUCTIVO	
		UND	MET.	P. UNIT.	PARCIAL	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.
<b>02</b>	<b>TOMA Y CANAL PEÑICO</b>																								
<b>02.01</b>	<b>OBRAS PRELIMINARES</b>																								
02.01.01	Mov. y Desmov.	GLB	1.00	3,810.00	3,810.00	0.50	1,905.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	1,905.00	0.00	1.00	3,810.00	0.00	0.00	0.00	0.00
02.01.02	Cartel de Obra	UND	0.96	694.42	666.64	0.96	666.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	666.64	0.00	0.00	0.00	0.00
02.01.03	Limpieza y desbroce de terreno-man	M2	700.00	1.55	1,085.00	700.00	1,085.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	700.00	1,085.00	0.00	0.00	0.00
02.01.04	Trazo y Replanteo (toma)	M2	750.00	1.47	1,102.50	750.00	1,102.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	750.00	1,102.50	0.00	0.00	0.00
02.01.05	Trazo y Replanteo (Canal)	KM	0.22	711.54	156.54	0.22	156.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	156.54	0.00	0.00	0.00	0.00
					<b>6,820.68</b>		<b>4,915.68</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>1,905.00</b>		<b>0.00</b>		<b>0.22</b>	<b>156.54</b>		<b>0.00</b>	
<b>02.02</b>	<b>MOVIMIENTO DE TIERRAS</b>																								
02.02.01	Exc. /maq./mat. suelo	M3	2,332.00	2.33	5,433.56	0.00	0.00	0.00	0.00	0.00	1,508.42	3,614.62	0.00	0.00	441.97	1,029.79	381.61	889.15	0.00	2,332.00	5,433.56	0.00	0.00	0.00	0.00
02.02.02	Conformación de Terraplen (R)	M3	1,851.00	2.79	5,164.29	0.00	0.00	0.00	1,218.20	3,398.78	0.00	0.00	0.00	0.00	147.97	412.84	484.83	1,352.68	0.00	1,851.00	5,164.29	0.00	0.00	0.00	0.00
02.02.03	Pell.comp. c/eq.liv. c/mat.propio	M3	151.31	8.55	1,293.70	0.00	0.00	0.00	0.00	0.00	151.31	1,293.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	151.31	1,293.70	0.00	0.00	0.00	0.00
					<b>11,891.55</b>		<b>0.00</b>		<b>0.00</b>		<b>3,398.78</b>	<b>4,808.32</b>		<b>0.00</b>		<b>1,442.63</b>		<b>2,241.83</b>		<b>0.00</b>		<b>11,891.55</b>		<b>0.00</b>	
<b>02.03</b>	<b>TOMA</b>																								
02.03.01	Concreto fc= 100 kg/cm2	M3	28.00	157.50	4,095.00	0.00	0.00	2.60	409.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.35	-66.13	2.25	354.38	23.75	3740.63	
02.03.02	Concreto fc= 210 kg/cm2	M3	29.00	227.51	6,597.79	0.00	0.00	2.90	669.78	0.00	0.00	28.98	6,693.24	0.00	0.00	-2.88	-665.23	0.00	0.00	29.00	6,597.79	0.00	0.00	0.00	
02.03.03	Acero de Refuerzo fy=4200 kg/cm2	KG	2,818.00	2.27	6,396.86	0.00	0.00	0.00	0.00	0.00	1,820.05	4,131.61	0.00	0.00	0.00	0.00	15.05	34.16	59.15	134.27	1,894.25	4,299.95	923.75	2096.91	
02.03.04	Encof. y Desencof.-Caravista / 1c	M2	147.00	26.68	3,921.96	0.00	0.00	0.00	0.00	0.00	184.31	4,383.79	0.00	0.00	-17.31	-461.83	0.00	0.00	0.00	147.00	3,921.96	0.00	0.00	0.00	
					<b>21,011.61</b>		<b>0.00</b>		<b>1,069.28</b>		<b>0.00</b>	<b>16,108.54</b>		<b>0.00</b>		<b>-1,117.06</b>		<b>34.16</b>		<b>79.14</b>		<b>16,174.08</b>		<b>5,837.54</b>	
<b>02.04</b>	<b>CANAL</b>																								
02.04.01	Concreto fc=100KG/CM2	M3	54.00	157.50	8,505.00	0.00	0.00	5.40	850.50	0.00	0.00	3.66	576.45	0.00	0.00	0.00	25.59	4,030.43	2.57	404.78	37.22	6,862.16	16.78	2642.85	
02.04.02	Concreto fc= 210KG/CM2	M3	220.40	227.51	50,143.20	0.00	0.00	22.04	5,014.32	0.00	0.00	54.95	12,501.67	0.00	0.00	0.00	143.41	32,627.21	0.00	220.40	50,143.20	0.00	0.00	0.00	
02.04.03	Encof. y Desencof.-Caravista/1c	M2	853.00	23.44	15,306.32	0.00	0.00	0.00	0.00	0.00	230.98	5,414.17	0.00	0.00	0.00	0.00	422.02	9,892.15	0.00	853.00	16,306.32	0.00	0.00	0.00	
					<b>73,954.52</b>		<b>0.00</b>		<b>5,864.82</b>		<b>0.00</b>	<b>18,492.29</b>		<b>0.00</b>		<b>0.00</b>		<b>46,649.79</b>		<b>404.78</b>		<b>71,311.67</b>		<b>2,642.85</b>	
<b>02.05</b>	<b>TRANSICION</b>																								
02.05.01	Concreto fc=100 kg/cm2	M3	9.20	157.50	1,449.00	0.00	0.00	0.00	0.00	0.00	0.86	135.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	135.45	8.34	1313.55		
02.05.02	Concreto fc=210kg/cm2	M3	6.00	227.51	1,365.06	0.00	0.00	0.00	0.00	0.00	3.22	732.68	0.00	0.00	0.00	0.00	2.72	618.83	-2.72	-618.83	3.22	732.68	2.78	632.48	
02.05.03	Acero de Refuerzo fy=4200 kg/cm2	KG	271.00	2.27	615.17	0.00	0.00	0.00	0.00	0.00	182.71	369.35	0.00	0.00	0.00	0.00	54.88	124.58	108.40	246.07	325.99	740.00	-54.99	-124.83	
02.05.04	Encof. y Desencof.-Caravista / 1c	M2	28.00	23.44	656.32	0.00	0.00	0.00	0.00	0.00	17.53	410.90	0.00	0.00	0.00	0.00	9.96	210.02	-8.96	-210.02	17.53	410.90	10.47	245.42	
					<b>4,086.56</b>		<b>0.00</b>		<b>0.00</b>		<b>-0.02</b>	<b>1,648.28</b>		<b>0.00</b>		<b>0.00</b>		<b>963.43</b>		<b>-582.78</b>		<b>2,018.91</b>		<b>2,066.62</b>	
<b>02.06</b>	<b>OBRAS DE PROTECCION</b>																								
02.06.01	Revestimiento con Manta Geotextil	M2	514.00	8.98	4,615.72	0.00	0.00	0.00	0.00	0.00	514.00	4,615.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	514.00	4,615.72	0.00	0.00	0.00	
02.06.02	Filtro de Grava	M3	1,235.00	42.11	52,005.85	0.00	0.00	0.00	0.00	0.00	400.00	16,844.00	0.00	0.00	265.00	11,169.15	226.22	9,626.12	0.00	891.22	37,529.27	343.78	14476.58		
02.06.03	Enrocado de Protección (E3)	M3	838.00	47.62	39,905.56	0.00	0.00	662.00	31,524.44	0.00	0.00	0.00	0.00	0.00	176.00	8,381.12	0.00	0.00	0.00	838.00	39,905.56	0.00	0.00	0.00	
02.06.04	Lloradores de PVC 2" L= 50m C/Ge	UND	14.00	28.58	400.12	0.00	0.00	0.00	0.00	0.00	14.00	400.12	0.00	0.00	-5.00	-142.90	0.00	0.00	0.00	9.00	257.22	5.00	142.90		
					<b>96,927.25</b>		<b>0.00</b>		<b>31,524.44</b>		<b>0.00</b>	<b>21,869.84</b>		<b>0.00</b>		<b>19,337.37</b>		<b>9,626.12</b>		<b>0.00</b>		<b>82,307.77</b>		<b>14,619.48</b>	
<b>02.07</b>	<b>EQUIPO HIDRONEUMATICO</b>																								
02.07.01	Suministro y Montaje Rejilla	UND	1.00	2,140.24	2,140.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2,140.24	0.00	1.00	2,140.24	0.00	0.00	0.00	
02.07.02	Sum. Y Mont. Compuerta	UND	1.00	1,430.49	1,430.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1,430.49	0.00	1.00	1,430.49	0.00	0.00	0.00	
02.07.03	Atagua de madera (Tablas de 3"x8")	M2	1.35	409.46	552.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.35	552.77	0.00	1.35	552.77	0.00	0.00	0.00	
02.07.04	Escalines de acero L=1.1 (D=3/4")	UND	8.00	40.51	324.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	324.08	0.00	8.00	324.08	0.00	0.00	0.00	
					<b>4,447.58</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>4,447.58</b>		<b>0.00</b>		<b>4,447.58</b>		<b>0.00</b>	
<b>02.08</b>	<b>JUNTAS</b>																								
02.08.01	Junta con Water Stop 6"	ML	11.00	34.82	383.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.80	271.60	0.00	7.80	271.60	3.20	111.42		
02.08.02	Junta Asfáltica e=1"	ML	11.50	2.59	29.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50	29.79	0.00	11.50	29.79	0.00	0.00		
					<b>412.81</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>301.39</b>		<b>0.00</b>		<b>301.39</b>		<b>111.42</b>	
<b>COSTO DIRECTO</b>					<b>219,551.55</b>		<b>4,915.68</b>		<b>38,458.54</b>		<b>3,398.76</b>	<b>61,917.27</b>		<b>0.00</b>		<b>19,722.94</b>		<b>65,959.30</b>		<b>-98.86</b>		<b>194,273.62</b>		<b>25,277.90</b>	

J.C. Contratistas Generales EIRL  
 PROYEC S.A. Contratistas Generales  
 ASOCIADOS  
  
 CHRISTIAN THORNE  
 Representante Legal

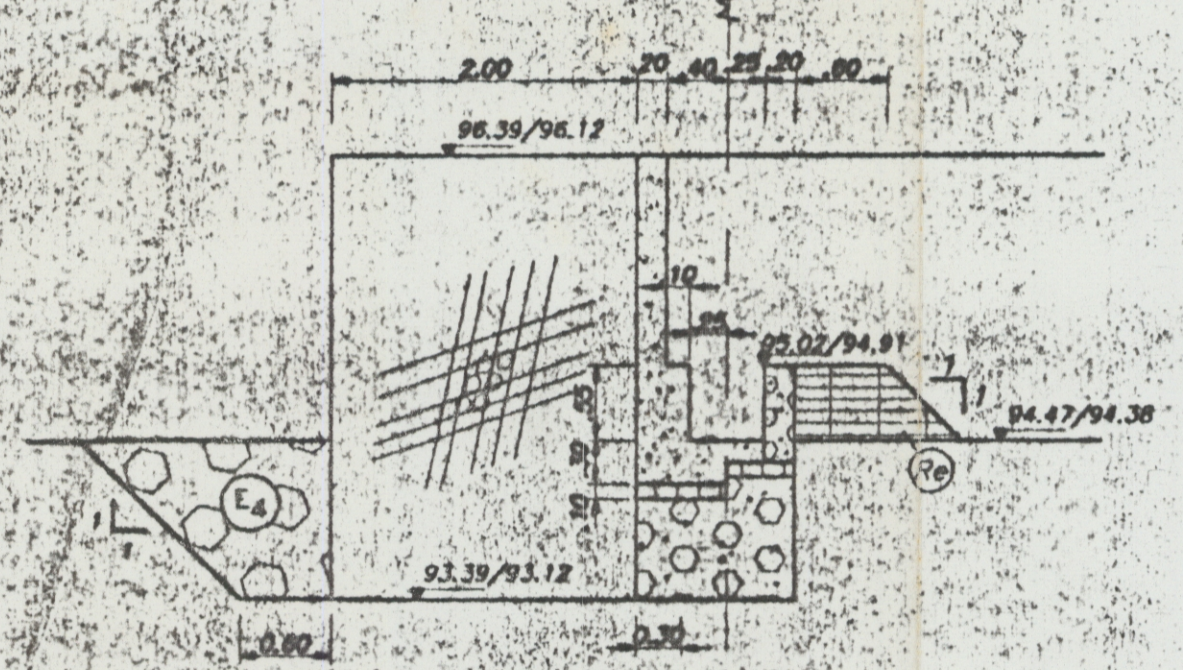
OBRA: RECONSTRUCCION DE LA INFRAESTRUCTURA DE RIEGO DAÑADA POR EL FENOMENO EL NIÑO EN LOS VALLES DE FORTALEZA, PATIVILCA Y SUPE - DEPARTAMENTO LIMA  
 CONTRATISTA : J.C. CONTRAT. GENER. EIRL-PROYEC S.A. ASOCIADOS

**PRESUPUESTO CONTRACTUAL**

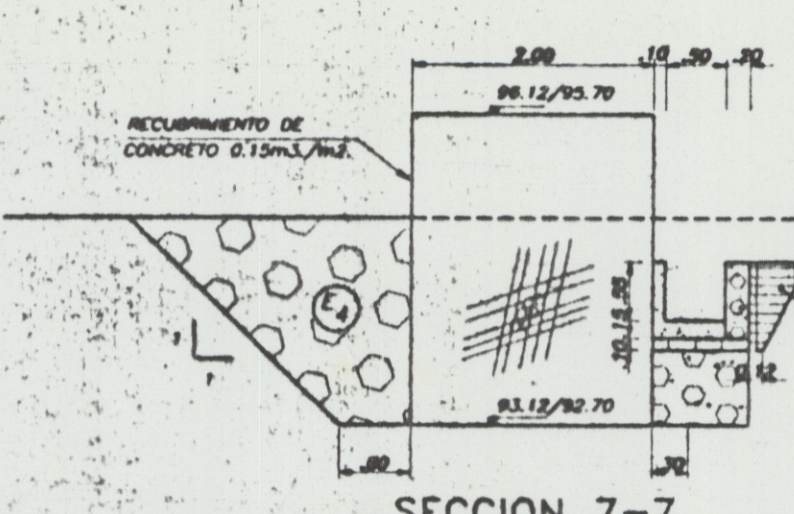
N°	DESCRIPCION	PRESUPUESTO CONTRACTUAL				VALORIZ N°01		VALORIZ N°02		VALORIZ N°03		VALORIZ N°04		VALORIZ N°04A		VALORIZ N°05		VALORIZ N°06		VALOR DE CIERRE		LIQUIDACION		DEDUCTIVO	
		UND	MET.	P. UNIT.	PARCIAL	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.	MET.	SI.
<b>03</b>	<b>TOMA Y CANAL LIMONCILLO</b>																								
03.01	OBRAS PRELIMINARES																								
03.01.01	Mov. y Desmov.	GLB	1.00	3,810.00	3,810.00	0.50	1,905.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	952.50	0.25	952.50	0.00	0.00	1.00	3,810.00	0.00	0.00	0.00
03.01.02	Cartel de Obra	UND	0.47	694.42	326.38	0.47	326.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	326.38	0.00	0.00	0.00
03.01.03	Limpieza de terreno-manual	M2	450.00	1.55	697.50	450.00	697.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	326.38	0.00	0.00	0.00
03.01.04	Trazo y Replanteo (Toma)	M2	240.00	1.47	352.80	240.00	352.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	326.38	0.00	0.00	0.00
03.01.05	Trazo y Replanteo (Canal)	KM	0.30	711.54	213.46	0.30	213.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	213.46	0.00	0.00	0.00
03.01.06	Habilitación de Accesos manualment	ML	400.00	59.02	23,608.00	400.00	23,608.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	213.46	0.00	0.00	0.00
					<b>29,008.14</b>		<b>27,103.14</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>			<b>952.50</b>		<b>952.50</b>		<b>0.00</b>	<b>400.00</b>	<b>23,608.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
03.02	MOVIMIENTO DE TIERRAS																								
03.02.01	Exc. /maq./mat. suelto	M3	997.00	2.33	2,323.01	0.00	0.00	0.00	0.00	260.98	608.08	86.68	201.96	0.00	0.00	92.41	215.32	0.00	0.00	-91.33	-212.80	348.74	812.56	648.26	1510.45
03.02.02	Reli.comp. c/eq liv c/met propio	M3	99.00	8.55	846.45	0.00	0.00	0.00	0.00	0.00	0.00	78.87	674.34	0.00	0.00	20.13	172.11	0.00	0.00	0.00	0.00	99.00	846.45	0.00	0.00
					<b>3,169.46</b>		<b>0.00</b>		<b>0.00</b>		<b>608.08</b>		<b>876.30</b>		<b>0.00</b>		<b>387.43</b>		<b>0.00</b>		<b>-212.80</b>		<b>1,659.01</b>		<b>1,610.45</b>
03.03	TOMA																								
03.03.01	Concreto fc= 100 kg/cm2	M3	0.30	157.50	47.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	47.25	0.00	0.00	0.00	0.00	0.30	47.25	0.00	0.00	0.00
03.03.02	Concreto fc= 210 kg/cm2	M3	5.50	227.51	1,251.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.50	1,251.31	-0.13	-29.58	0.00	0.00	5.37	1,221.73	0.13	29.58	
03.03.03	Acero de refuerzo fy= 4200 kg/cm2	KG	359.00	2.27	814.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	358.87	814.63	0.00	0.00	0.23	0.62	359.10	815.16	-0.10	-23.00	
03.03.04	Encof. y Desencof. Muros-Caravista	M2	19.00	26.68	506.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.00	506.92	0.00	0.00	0.00	0.00	19.00	506.92	0.00	0.00	0.00
					<b>2,620.41</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>	<b>2,620.11</b>		<b>-29.58</b>		<b>0.62</b>		<b>2,591.06</b>		<b>29.35</b>	
03.04	CANAL																								
03.04.01	Concreto 100 kg/cm2	M3	21.00	157.50	3,307.50	0.00	0.00	0.00	0.00	0.00	18.00	2,836.00	0.00	0.00	0.00	0.00	3.00	472.50	0.00	0.00	21.00	3,307.50	0.00	0.00	0.00
03.04.02	Concreto fc= 210 kg/cm2	M3	95.00	227.51	21,613.45	0.00	0.00	0.00	0.00	0.00	17.81	4,051.95	0.00	0.00	0.00	0.00	8.13	1,849.66	0.11	25.03	26.05	5,926.64	88.95	15686.81	
03.04.03	Encof. y Desencof. Muros-Caravista	M2	606.00	26.68	16,168.08	0.00	0.00	0.00	0.00	0.00	12.25	326.83	0.00	0.00	0.00	0.00	25.56	681.94	773.16	20,627.91	810.97	21,636.68	-204.97	-4688.60	
03.04.04	Mamp. de Piedra Asentada y emb. 1'	M3	72.20	133.10	9,609.82	0.00	0.00	0.00	0.00	0.00	83.77	8,487.79	0.00	0.00	0.00	0.00	8.43	1,122.03	0.00	0.00	72.20	9,609.82	0.00	0.00	
					<b>50,698.86</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>15,701.57</b>		<b>0.00</b>		<b>4,126.13</b>		<b>0.00</b>		<b>20,562.94</b>		<b>40,480.64</b>		<b>10,219.21</b>
03.05	PROTECCION DE GAVIONES																								
03.05.01	Concreto fc= 210 kg/cm2	M3	25.30	227.51	5,756.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.70	5,391.99	0.00	0.00	23.70	5,391.99	1.60	364.02	
03.05.02	Encof. y Desencof. Muros-Caravista	M2	212.00	26.68	5,656.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	212.00	5656.16	
					<b>11,412.16</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>6,020.18</b>
03.06	OBRAS DE PROTECCION																								
03.06.01	Enrocado de proteccion (E1, E2)	M3	151.00	47.62	7,190.82	0.00	0.00	0.00	0.00	0.00	144.00	6,857.28	-144.00	-6,857.28	0.00	0.00	100.74	4,797.24	8.09	385.25	108.83	5,182.48	42.17	2008.14	
03.06.02	Gaviones de 2 x 1 x 1	UND	165.00	320.85	52,940.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	144.00	46,202.40	0.00	0.00	14.00	4,491.90	0.00	158.00	50,694.30	7.00	2245.95	
					<b>60,130.87</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>6,857.28</b>		<b>39,345.12</b>		<b>0.00</b>		<b>9,289.14</b>		<b>385.25</b>		<b>56,876.78</b>		<b>4,254.09</b>
03.07	EQUIPAMIENTO HIDROMECANICO																								
03.07.01	Suministro y Montaje Rejilla	UND	1.00	2,140.24	2,140.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2,140.24	0.00	0.00	1.00	2,140.24	0.00	0.00	0.00
03.07.02	Sum. y Mont. Coompuerta	UND	1.00	1,430.49	1,430.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1,430.49	0.00	0.00	1.00	1,430.49	0.00	0.00	0.00
03.07.03	Ataguías de madera (Tablas de 3"x8	M2	0.95	409.46	388.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	388.99	0.00	0.00	0.95	388.99	0.00	0.00	0.00
					<b>3,959.72</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>3,959.72</b>		<b>0.00</b>
03.08	VARIOS																								
03.08.01	Escalines de acero L=1.1 m (D=3/4"	UND	6.00	165.61	993.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	993.66	0.00	0.00	6.00	993.66	0.00	0.00	0.00
03.08.02	Junta Elastomerica	ML	3.00	37.98	113.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	113.94	
03.08.03	Rieles de proteccion (L=1.6m)	UND	14.00	243.02	3,402.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	2,430.20	4.00	972.08	0.00	14.00	3,402.28	0.00	0.00
03.08.04	C.C. fc=140 kg/cm2 + 30% P.G.	M3	6.72	118.62	797.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	797.13	0.00	0.00	0.00	0.00	6.72	797.13	0.00	0.00	0.00
					<b>5,307.01</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>3,227.33</b>		<b>1,965.74</b>		<b>0.00</b>		<b>5,193.07</b>		<b>113.94</b>
<b>COSTO DIRECTO</b>					<b>166,306.61</b>		<b>27,103.14</b>		<b>0.00</b>		<b>608.08</b>		<b>23,435.15</b>		<b>39,345.12</b>		<b>7,187.37</b>		<b>25,655.64</b>		<b>20,825.91</b>		<b>144,160.40</b>		<b>22,146.21</b>

J.C. Contratista Generales EIRL  
 PROYEC S.A. Contratista Generales  
 REPRESENTANTE LEGAL

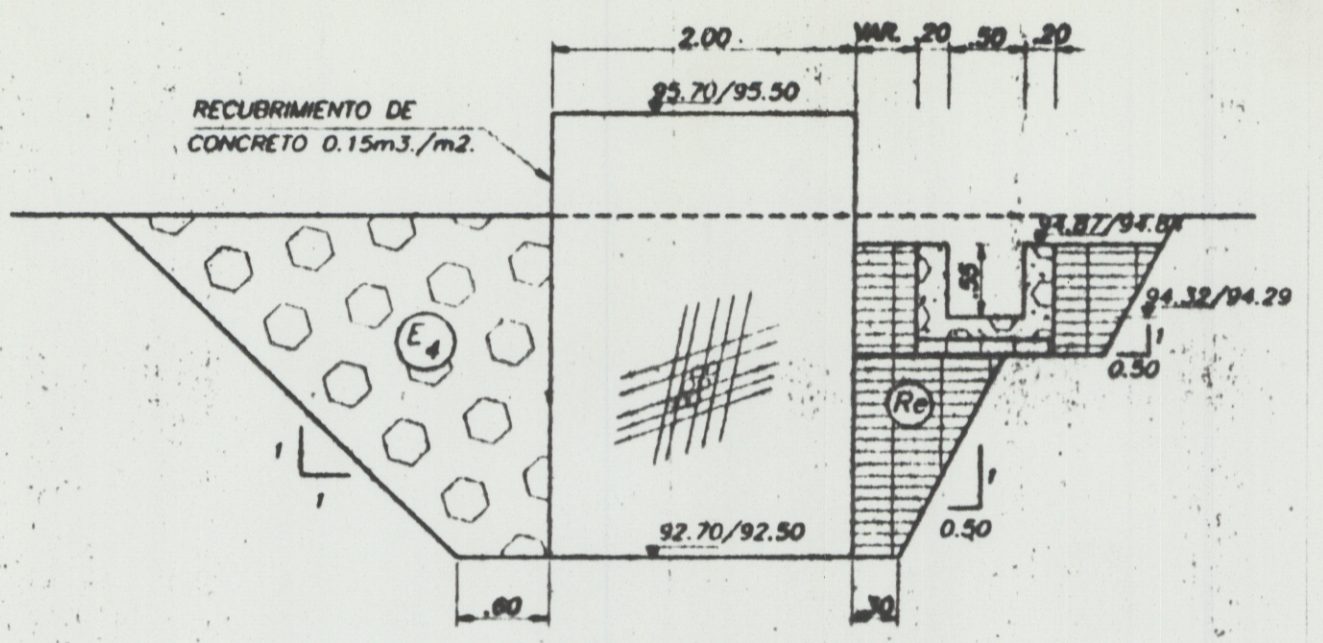




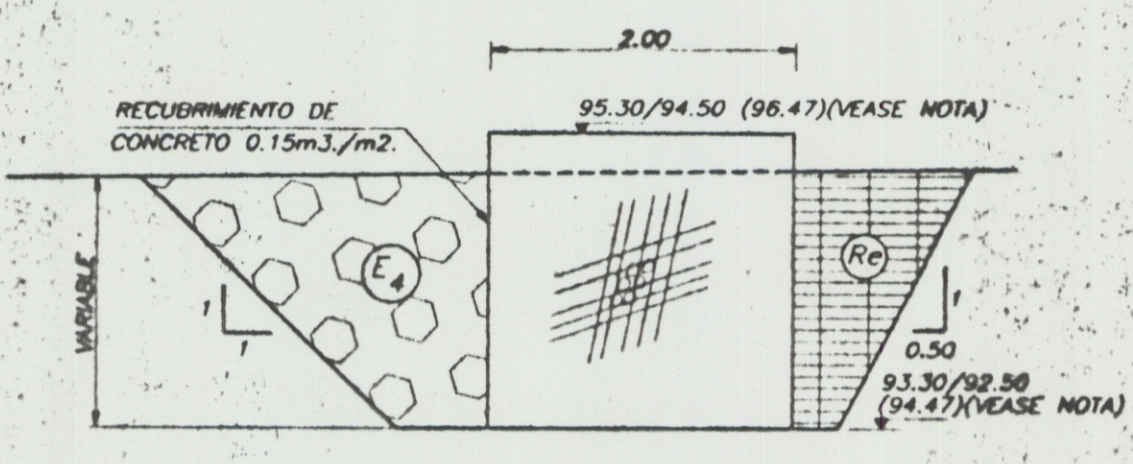
SECCION 5-5  
(DE 0+003.40 A 0+015.00)  
ESC.: (1/50)



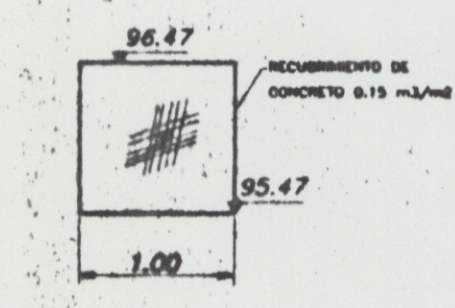
SECCION 7-7  
(DE 0+015.00 A 0+025.67)  
ESC.: (1/50)



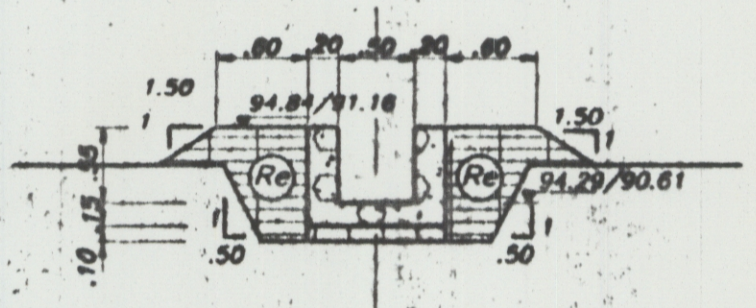
SECCION 8-8  
(DE 0+025.67 A 0+030.00)  
ESC.: (1/50)



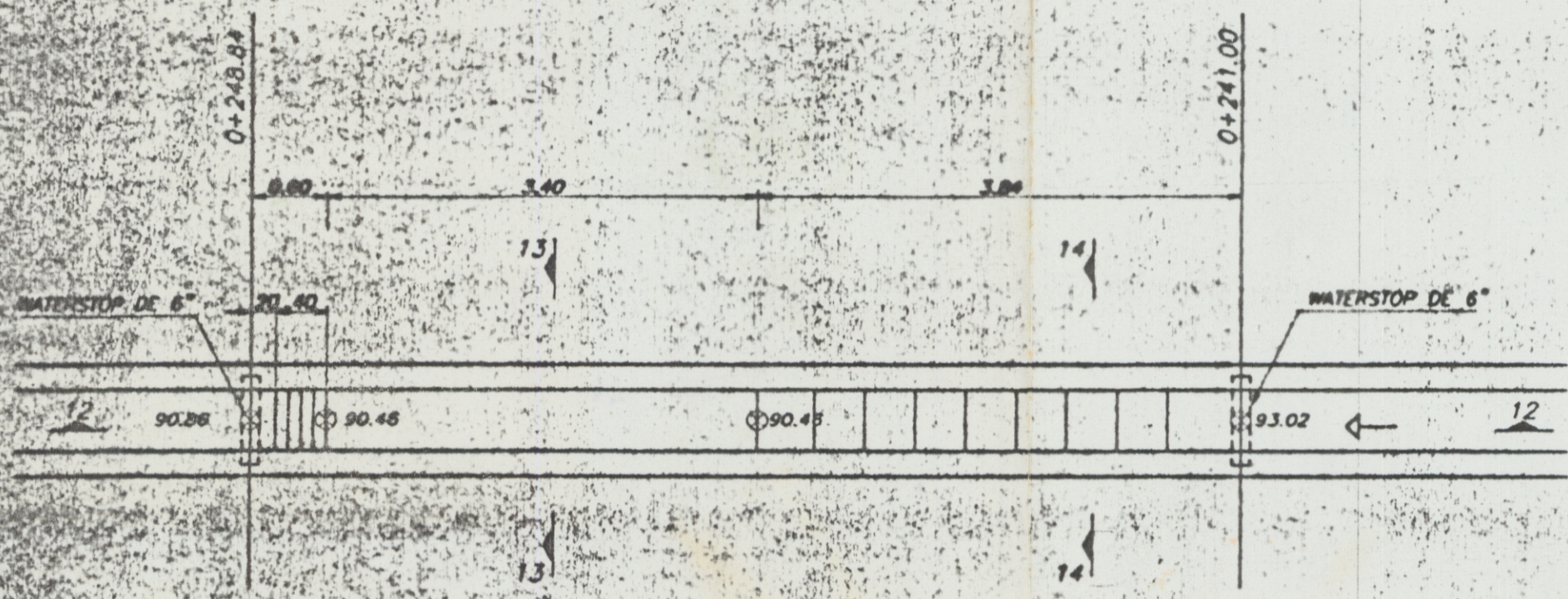
SECCION 9-9  
DIQUE IZQUIERDO AGUA ABAJO (DE 0+034.00 A 0+050.00)  
DIQUE DERECHO AGUA ARRIBA (DE 0+006.00 A 0+012.00)  
ESC.: (1/50)



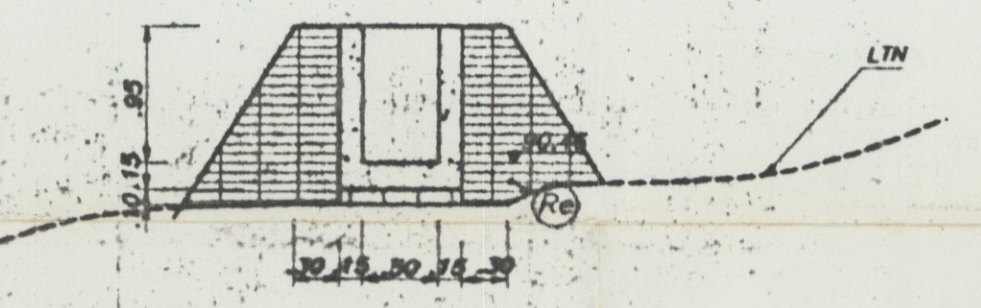
SECCION 10-10  
ESC.: (1/50)



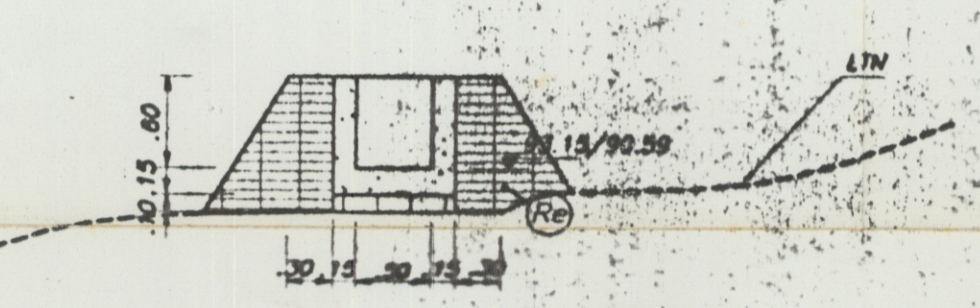
SECCION 11-11  
(DE 0+030.00 A 0+297.10)  
ESC.: (1/50)



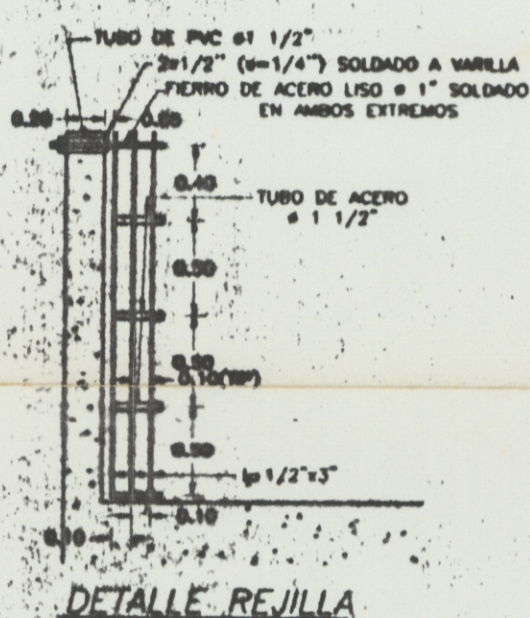
PLANTA  
CAIDA INCLINADA DE CANAL  
(0+241 a 0+248.84)  
ESC.: (1/50)



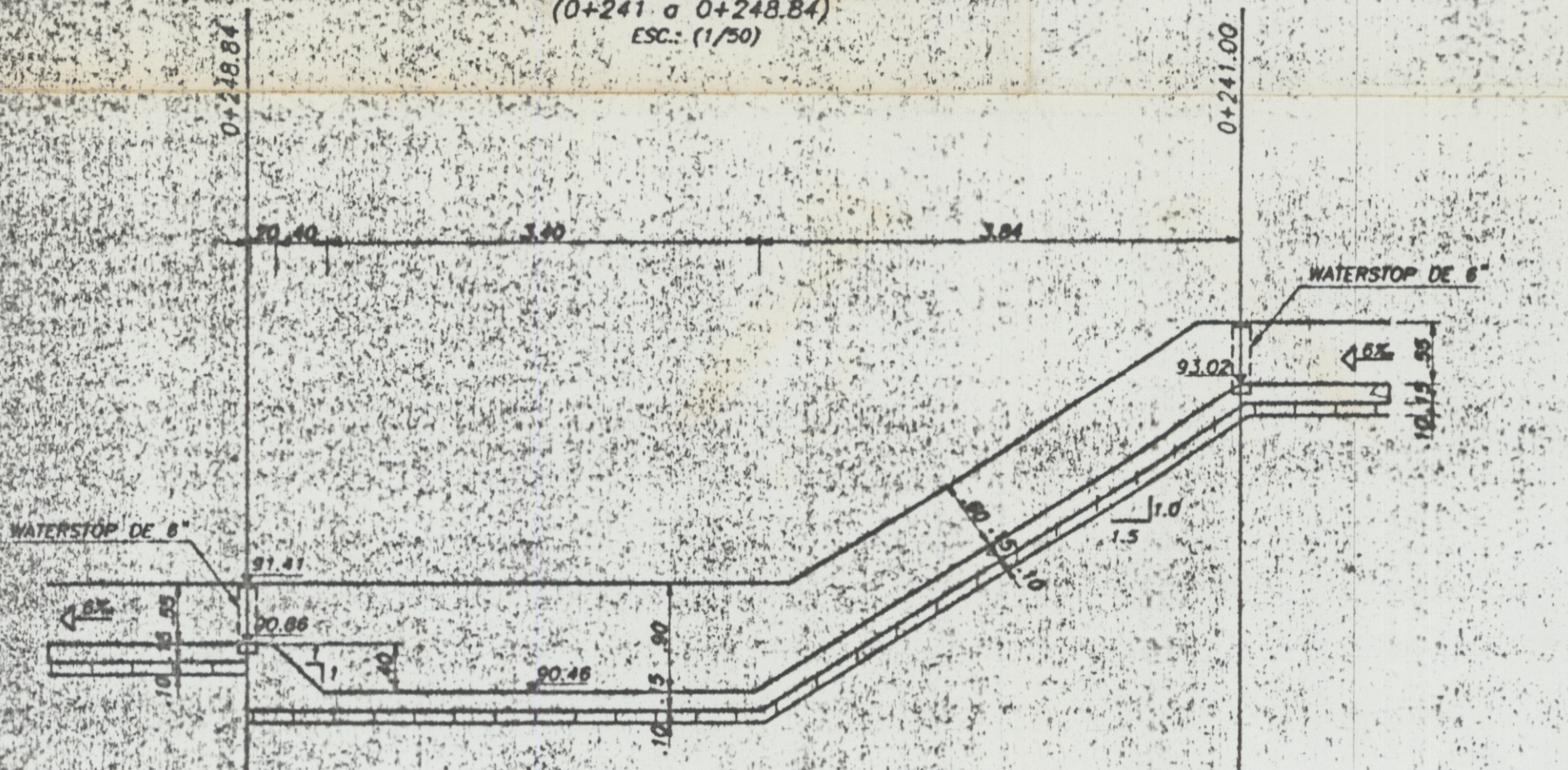
SECCION 13-13  
ESC.: (1/50)



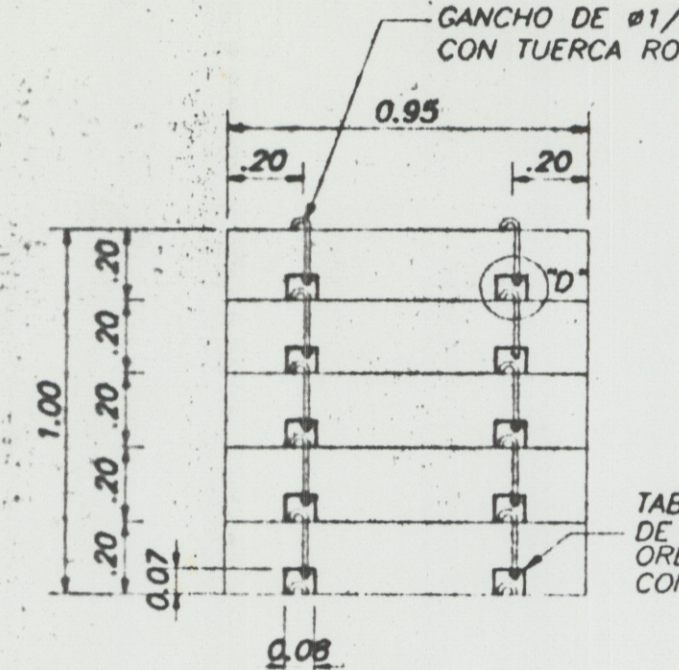
SECCION 14-14  
ESC.: (1/50)



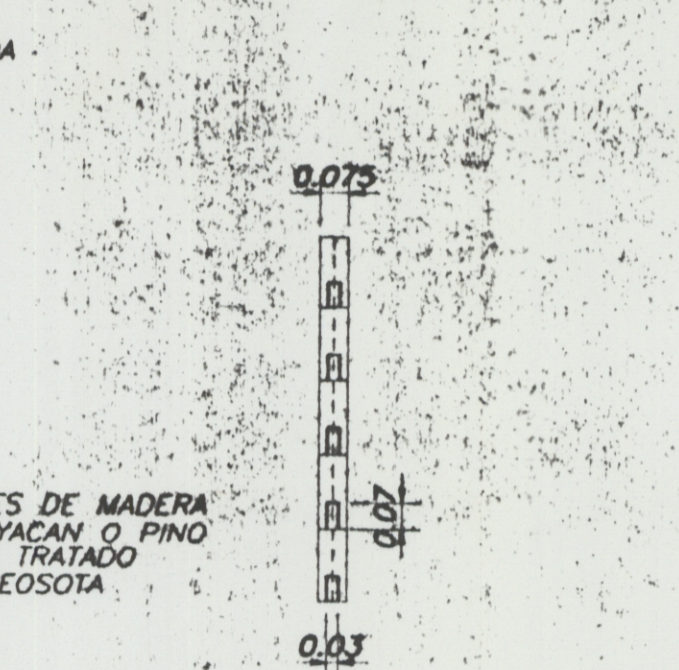
DETALLE REJILLA  
ESC.: 1/40



SECCION 12-12  
ESC.: (1/50)



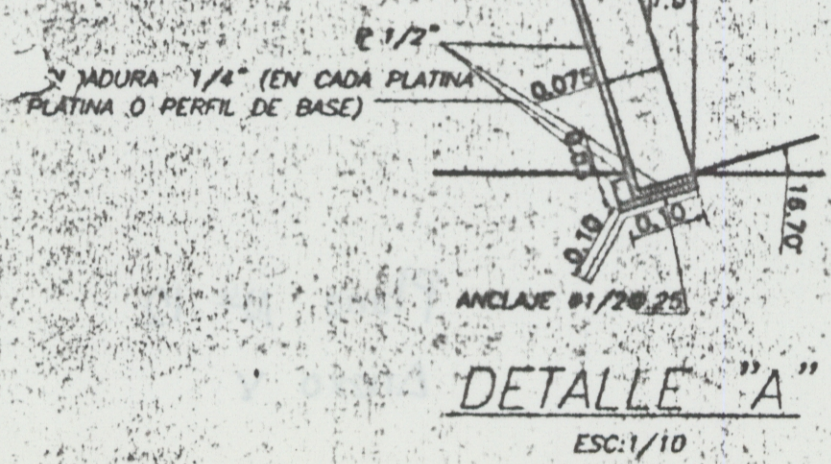
SECCION 1-1  
ESCALA: 1/20



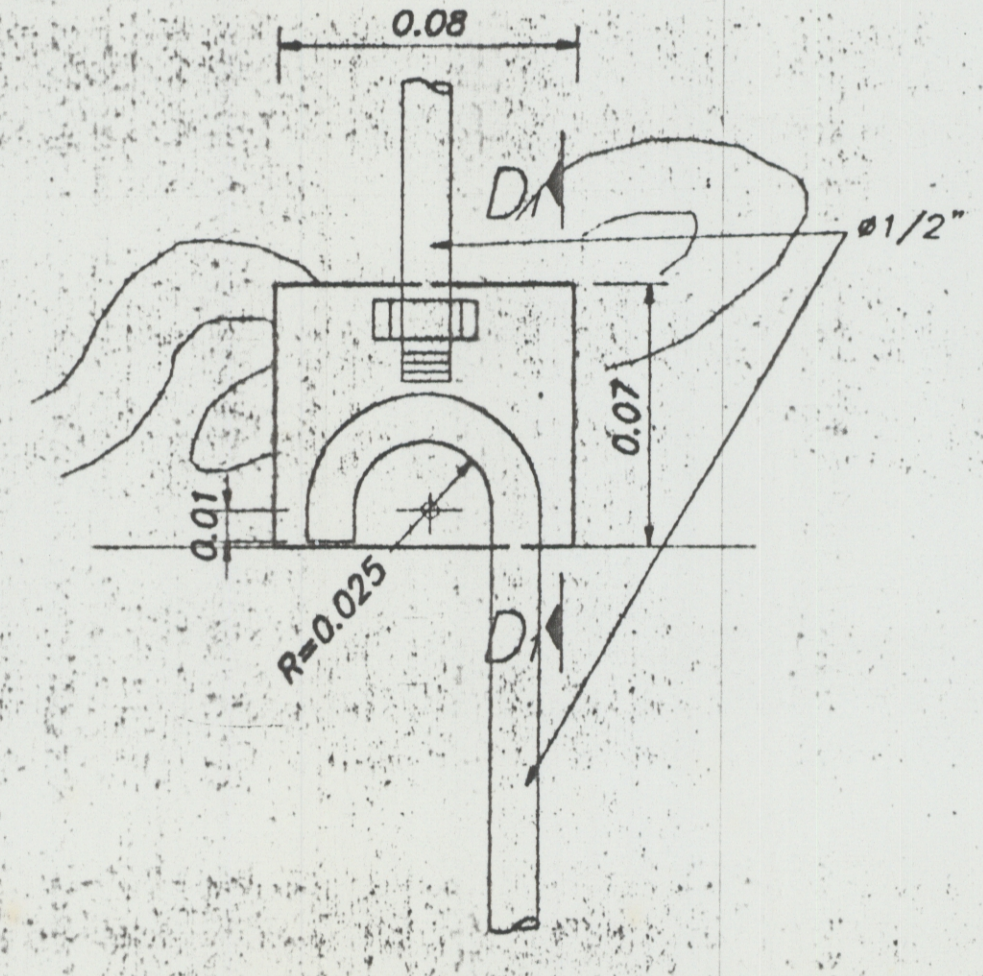
SECCION 2-2  
ESCALA: 1/20

LEYENDA	
	RELENO PARA ESTRUCTURAS
	CONCRETO f'c = 100 kg/cm2
	CONCRETO f'c = 210 kg/cm2
	CONCRETO CICLOPED 140 kg/cm2 + 30% P.S.
	ACERO DE REFUERZO #1/2" L=4.0 m #02
	VARILLA DE IZAJE DE ATAGUIAS ESCALA: 1/10
	REJILLA #1/2" x 3"
	TUBO DE P.C. #1 1/2"
	TUBO DE ACERO #1 1/2"
	PIERRO DE ACERO LISO #1" SOLDADO EN AMBOS EXTREMOS
	GANCHO DE #1/2" CON TUERCA ROSCADA
	TABLONES DE MADERA DE HUAYACAN O PINO OREGON TRATADO CON CREOSOTA
	GANONES

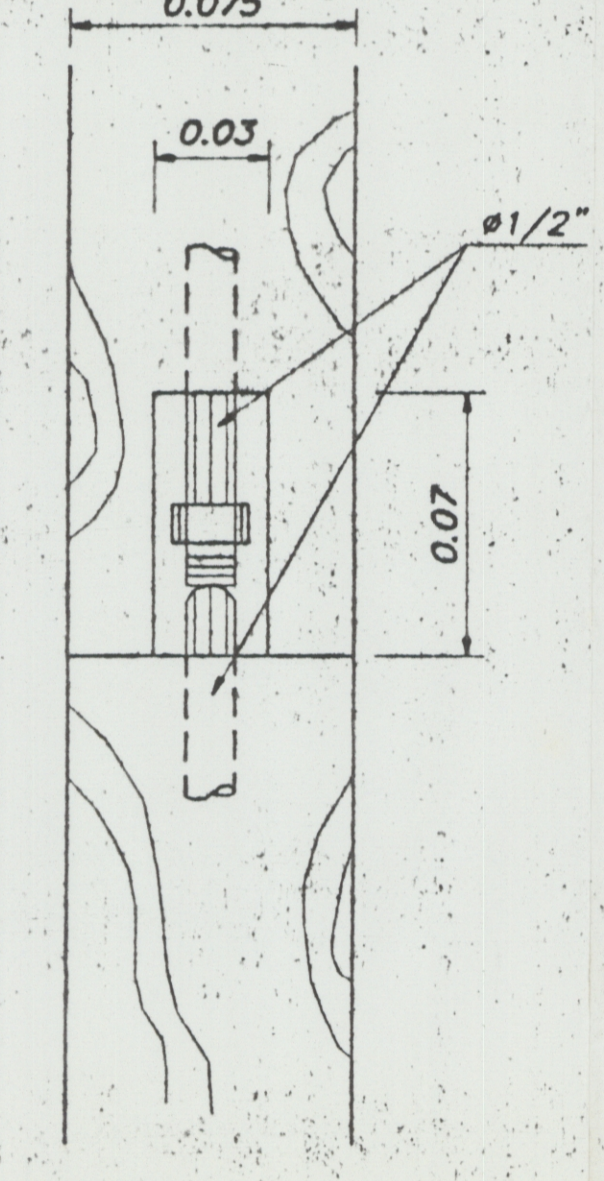
NOTA: LA CAIDA INCLINADA ES DE CONCRETO ARMADO.



DETALLE "A"  
ESC.: 1/10

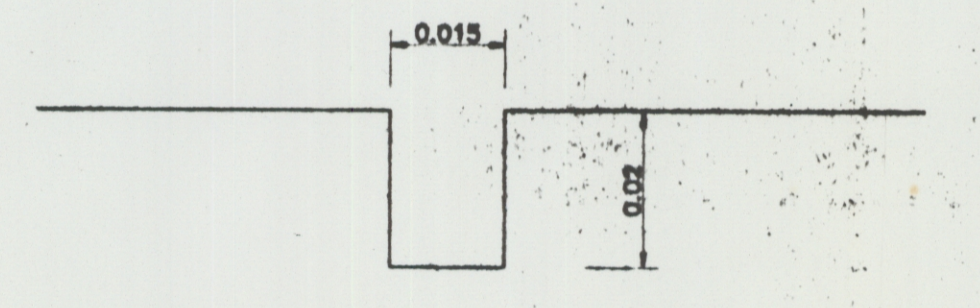


DETALLE "D"  
ESCALA: 1/2



SECCION D1-D1  
ESCALA: 1/2

PLANTA ATAGUIAS  
ESCALA: 1/20

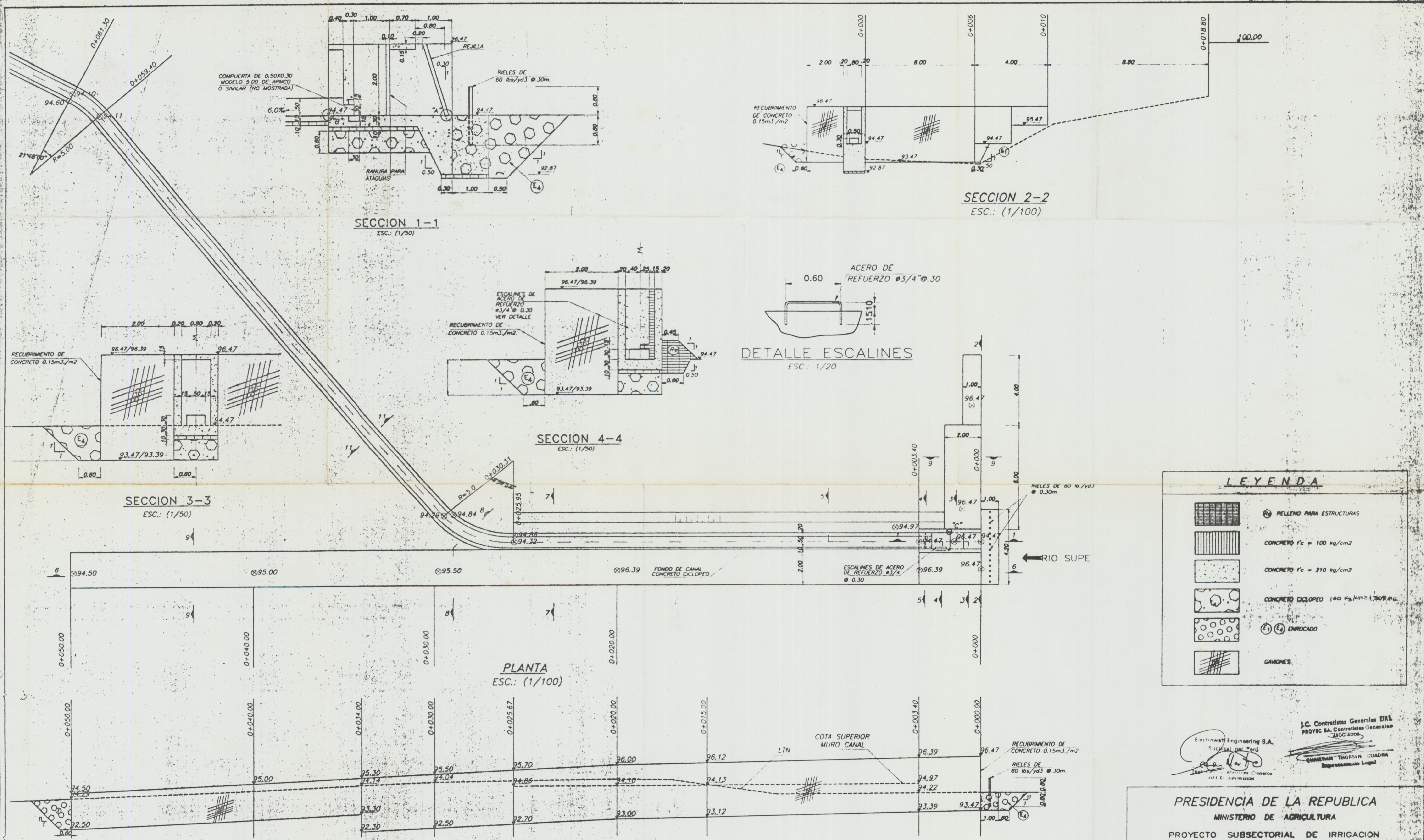


DETALLE "B"  
ESC.: 1/1

Electrowatt Engineering S.A.  
Sursural del Perú  
J.C. Contratistas Generales EIRL  
PROYEC S.A. Contratistas Generales  
CHRISTIAN THORSEN CUADRA  
Representante Legal

PRESIDENCIA DE LA REPUBLICA  
MINISTERIO DE AGRICULTURA  
PROYECTO SUBSECTORIAL DE IRRIGACION  
PROGRAMA DE RECONSTRUCCION DE LA INFRAESTRUCTURA DE RIEGO DEL VALLE DE SUPE  
COMISION DE REGANTES DE VINTO  
CONSORCIO JCCG EIRL - PROYEC S.A.  
TOMA - CANAL "LIMONCILLO"  
PLANTA - SECCIONES  
PLANO DE FORMAS 025

Escala	Fecha	Dpto.	Provincia	Districto	PSI - 012
INDICADA	ABRIL '00	LIMA	BARRANCA	SUPE	
Topografía	Dibujo	Diseño	Revisión	Aprobación	
JOSE ALVA	WILLIAM	J. CUTIEBREZ	ING. E. TUEROB	ING. M. RAMAMAS	3/8 3/5 25/41



GRANULOMETRIA DE ENROCADO

TIPO	%	100 %	50 %	80 %
E1		≤ 0.30	> 0.15	> 0.10
E4		≤ 1.20	> 0.75	> 0.50

J.C. Contratistas Generales E.I.R.L.  
PROYEC SA. Contratistas Generales  
ASOCIADOS

Engineering S.A.  
Socio del Ing. Terzi

ING. THORSSEN GUADRA  
Ingeniero Legal

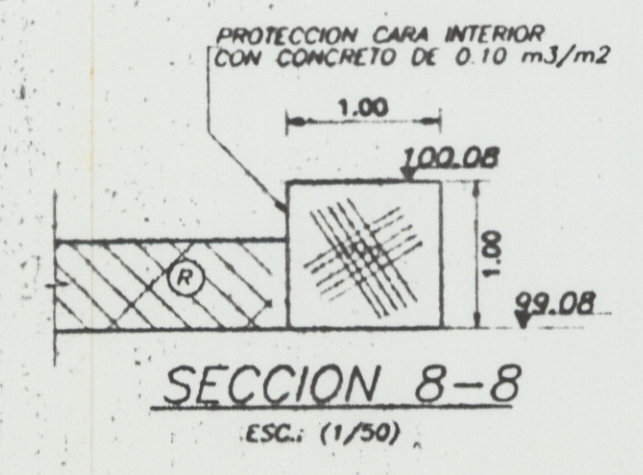
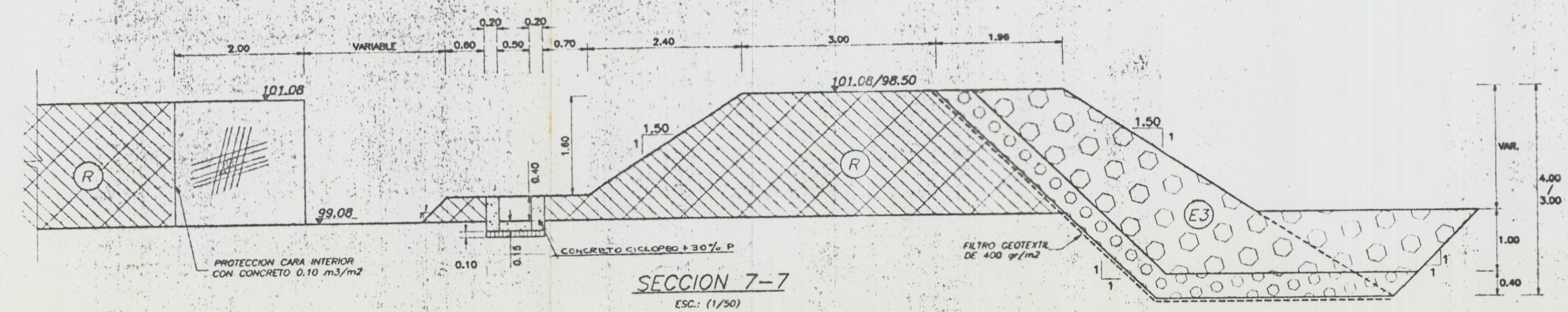
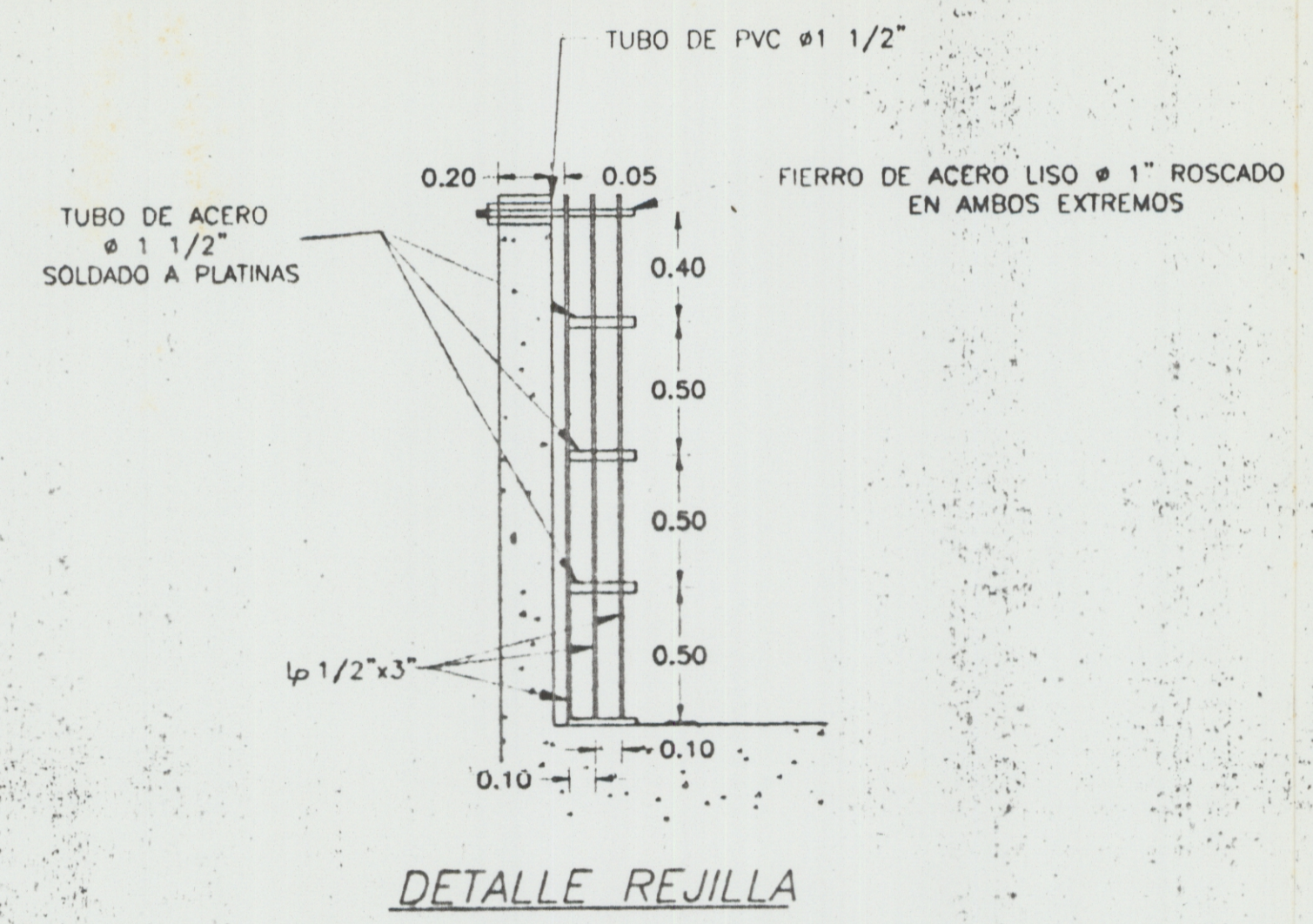
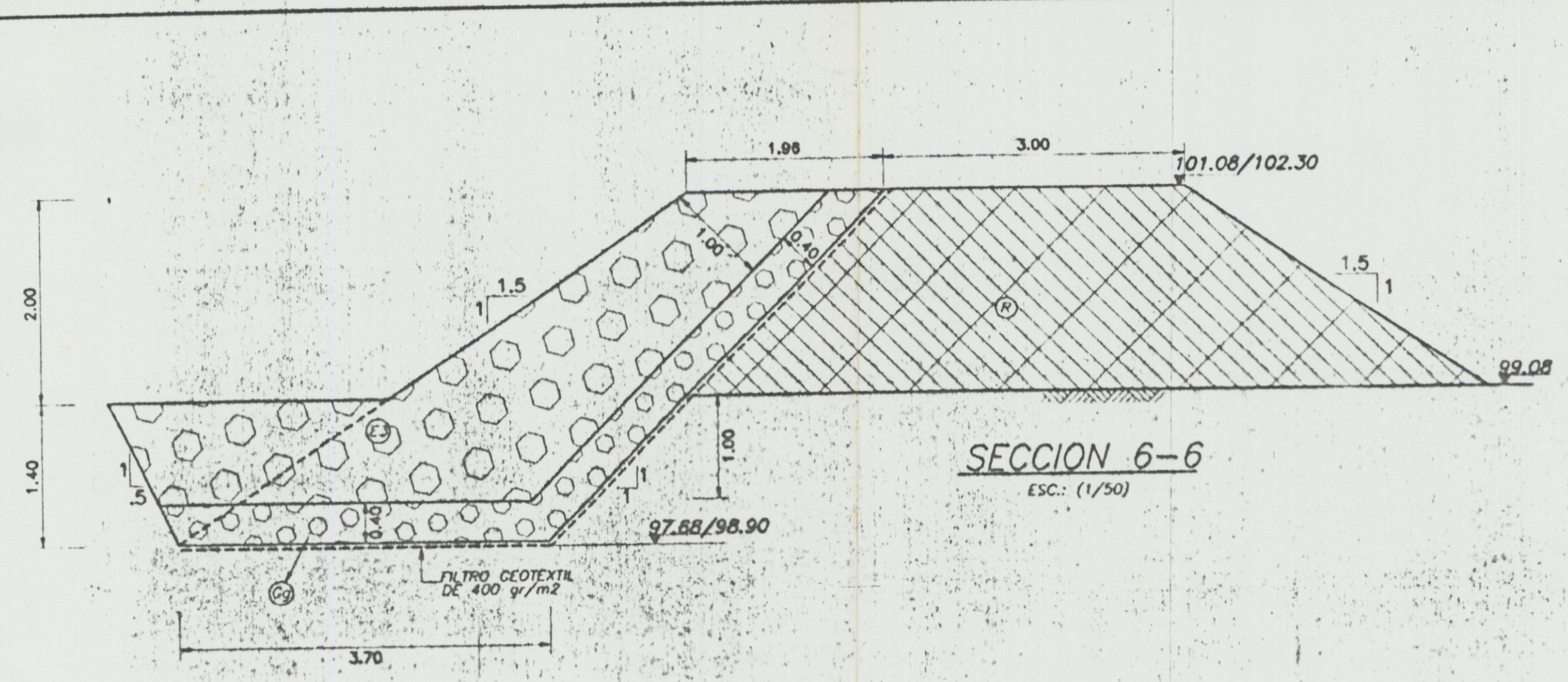
PRESIDENCIA DE LA REPUBLICA  
MINISTERIO DE AGRICULTURA  
PROYECTO SUBSECTORIAL DE IRRIGACION  
PROGRAMA DE RECONSTRUCCION DE LA INFRAESTRUCTURA DE RIEGO  
DEL VALLE DE SUPE  
COMISION DE REGANTES DE VINTO  
CONSORCIO JCCG E.I.R.L. - PROYEC S.A.

TOMA - CANAL "LIMONCILLO"  
PLANTA - SECCIONES  
PLANO DE FORMAS 024

Escala:	Fecha:	Lugar:	Provincia:	Distrito:	PSI - 012
INDICADA	ABRIL 00	LIMA	BARRANCO	SUPE	
Topografía:	Dibujo:	Diseño:	Revisión:	Aprobación:	
JOSE ALVA	WILLIAM	J. GUTIERREZ	ING. E. TUEROB	ING. M. MARAMAS	3/0 2/5/24/11







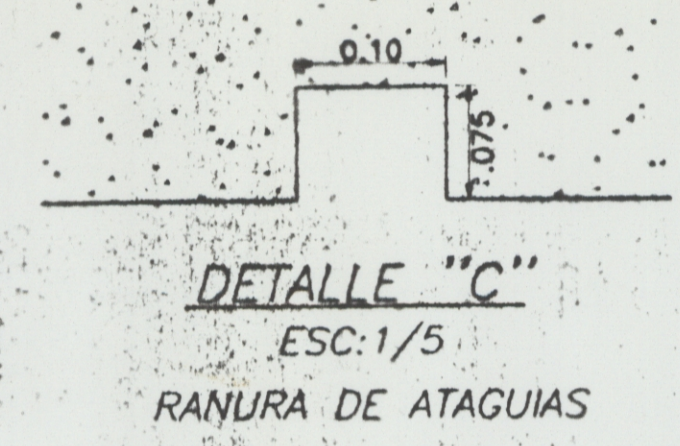
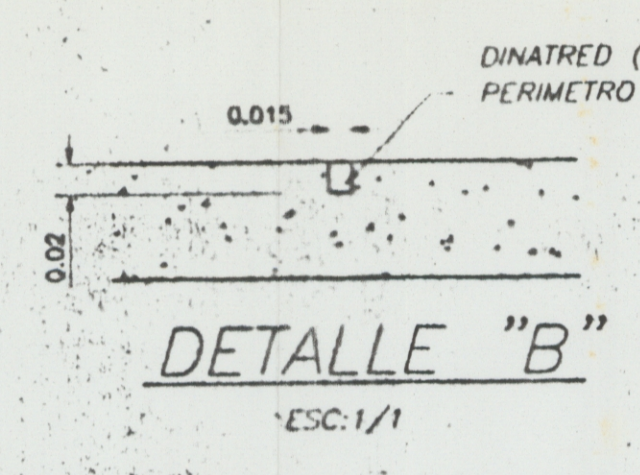
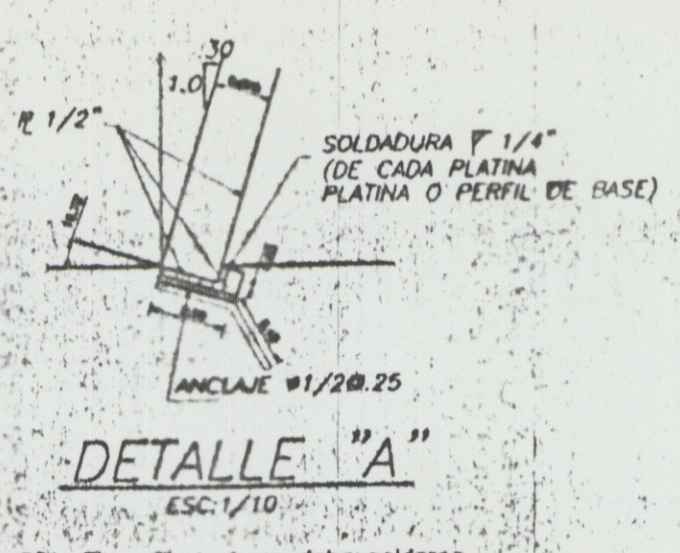
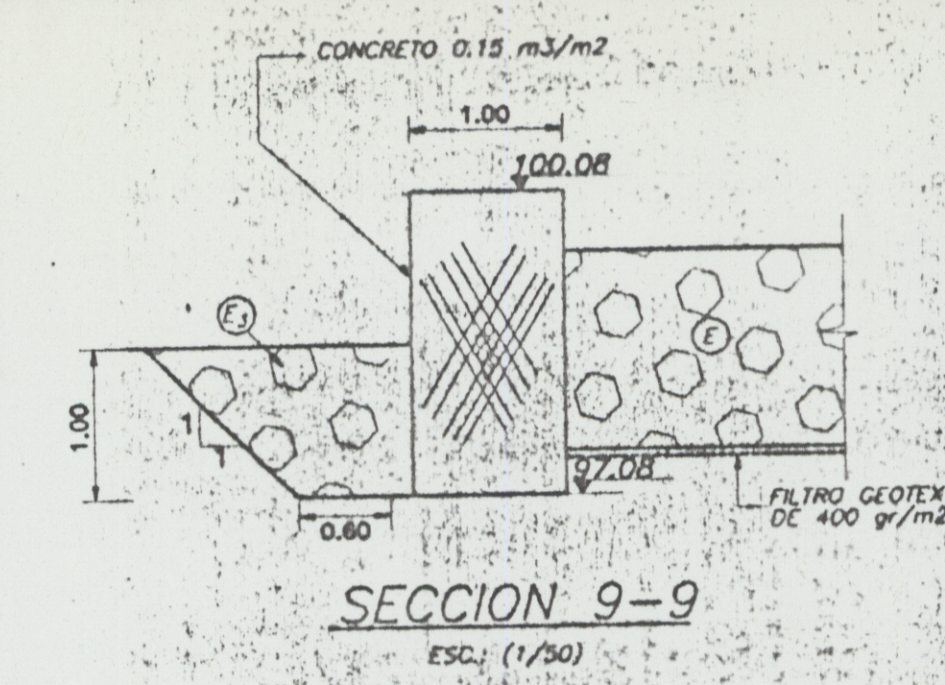
**LEYENDA**

	RELENO COMPACTADO
	CONCRETO f'c = 210 kg/cm <sup>2</sup>
	CONCRETO f'c = 100 kg/cm <sup>2</sup>
	GRAVA GRUESA
	CONCRETO CICLOPED 140 kg/cm <sup>2</sup> + 30% P.S.
	ENROCADO
	GRATINGS

**GRANULOMETRIAS DE ENROCADO E3**

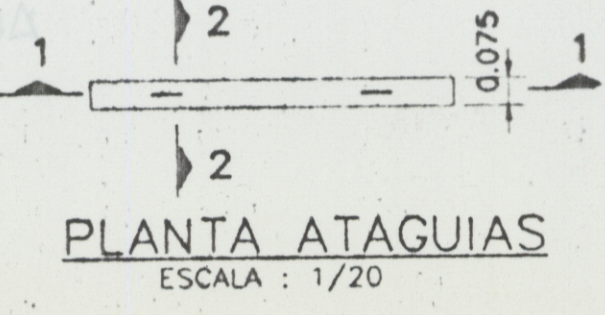
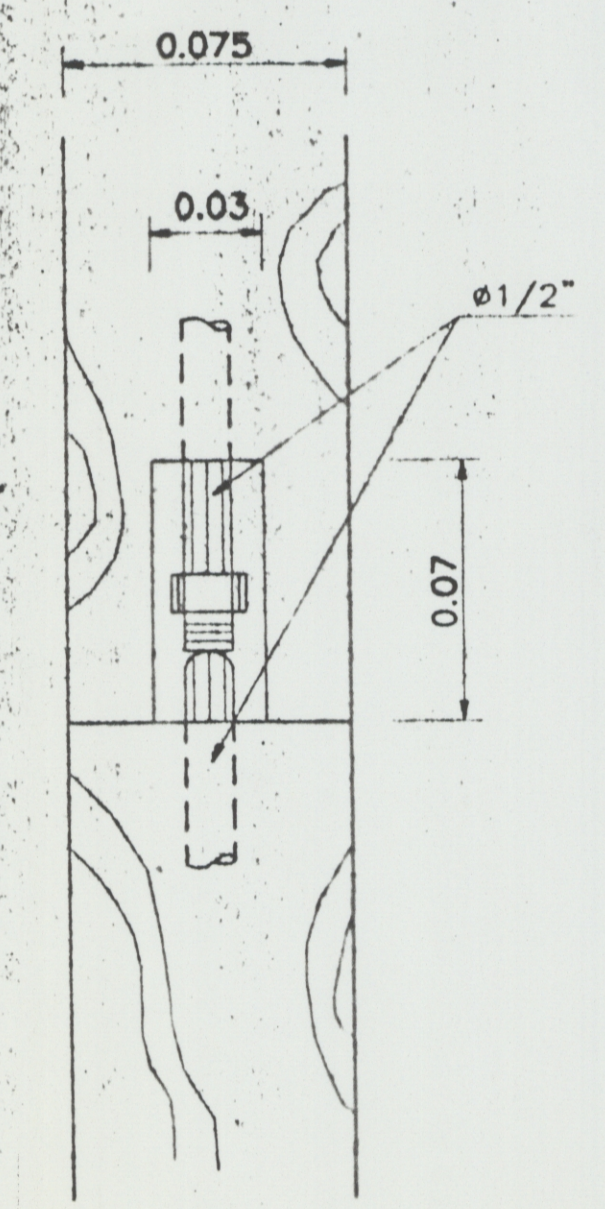
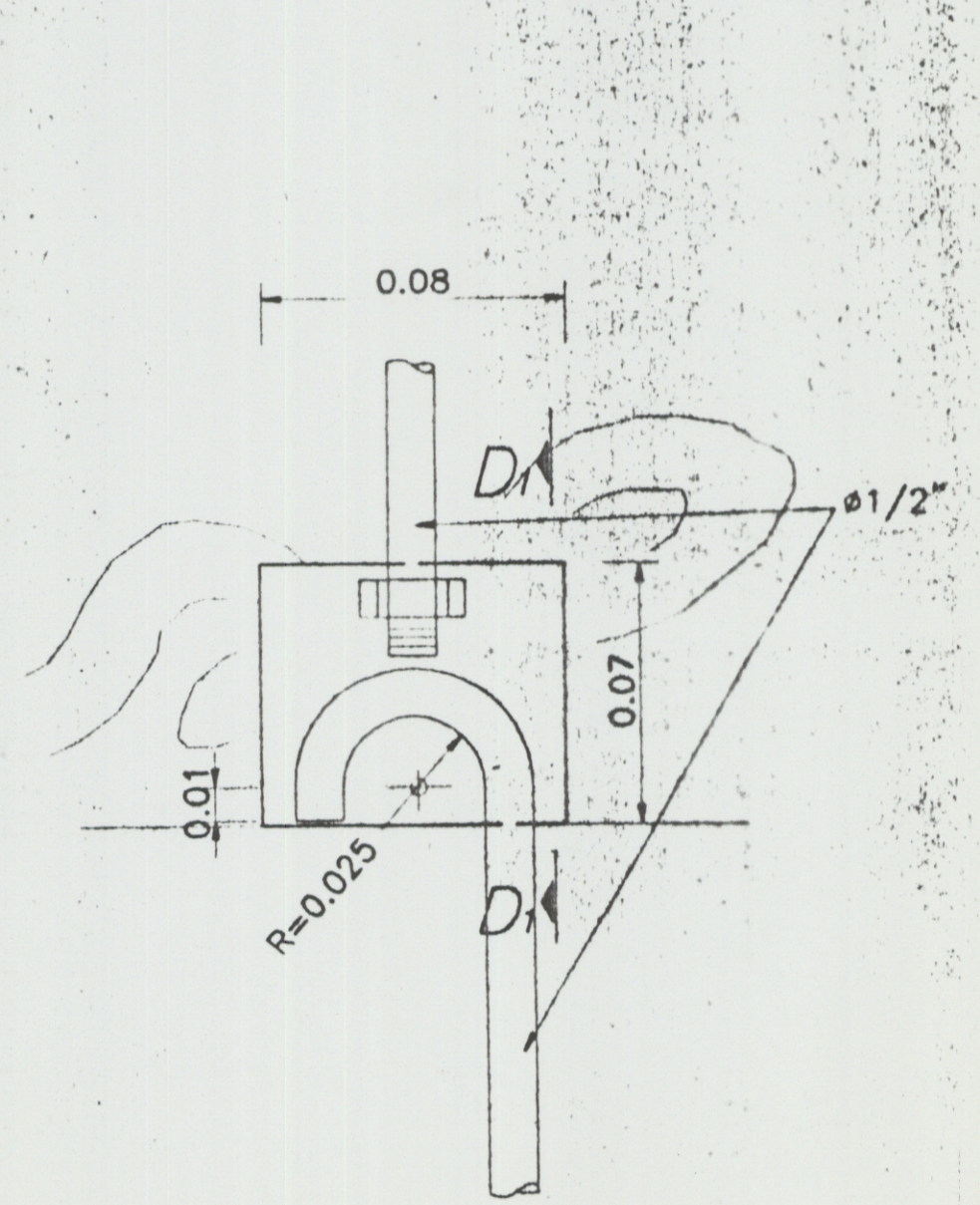
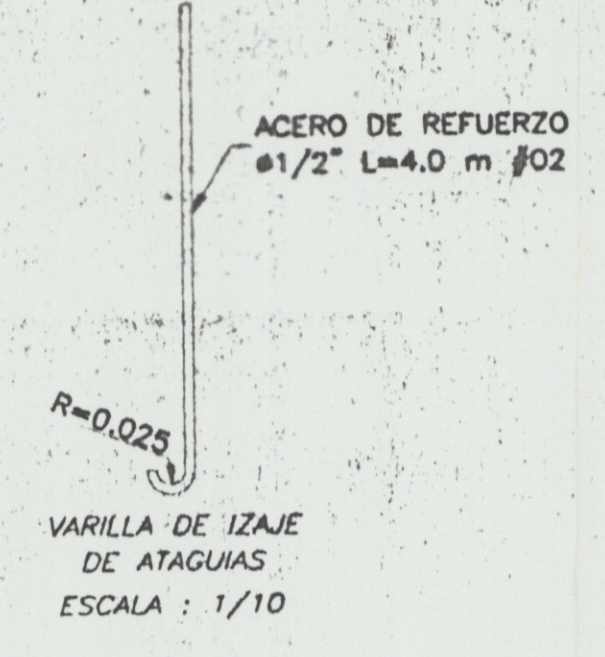
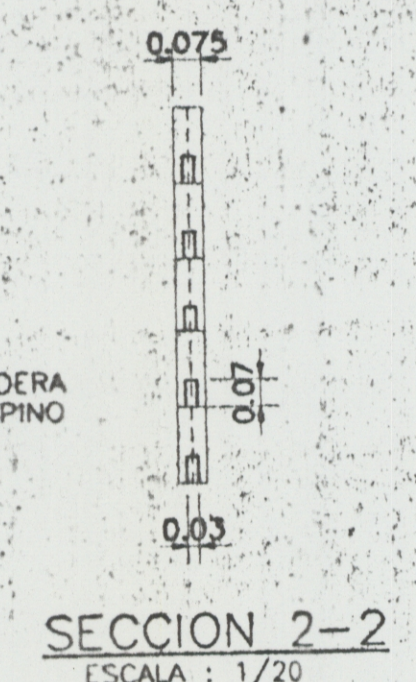
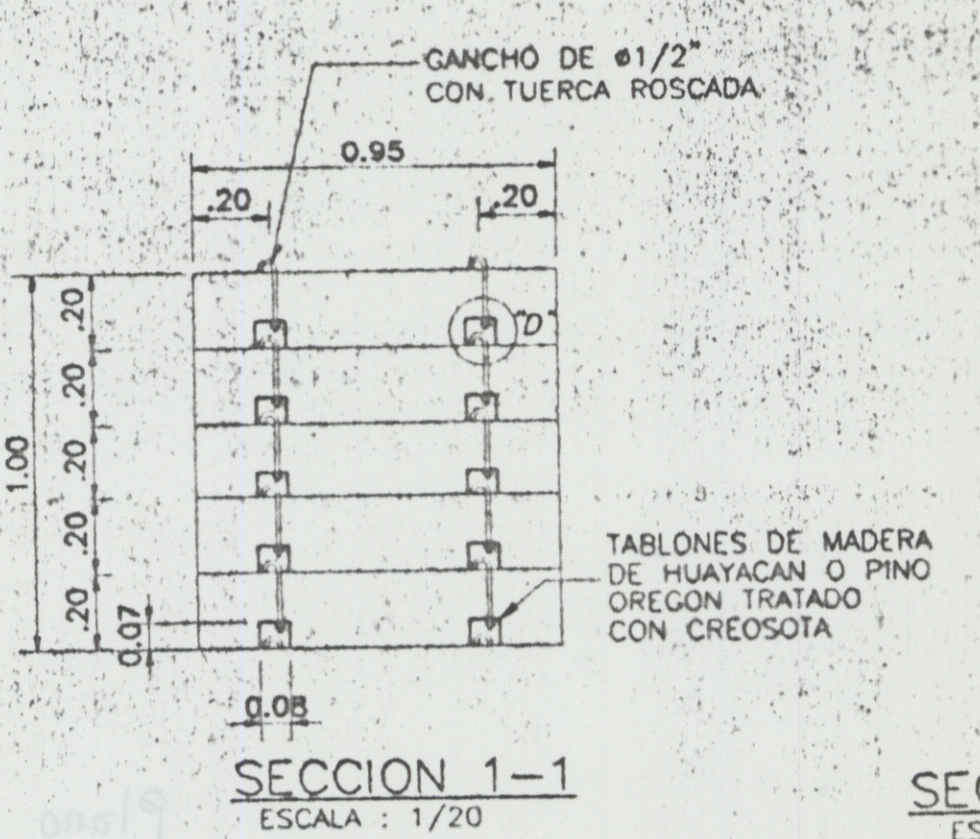
φ	100	50	80
φ(m)	≤ 0.75	> 0.50	> 0.30

CANTIDAD DE GAVIONES DE 1.0 x 1.0 x 2.0 : 37



NOTA: Cantidad total de gaviones de 1.0x1.0x2.0 m.-37  
Elemento superficial de gaviones debe penetrar en las hincas de los puentes y cubrir la roca

NOTA: El perfil de base debe soldarse al perfil de asiento de rejilla



Electromet Engineering S.A.  
Sociedad del Perú

J.C. Contratistas Generales EIRL  
PROYEC SA-Contratistas Generales ASOCIADOS

CHRISTIAN THORSEN CUADRA  
Representante Legal

**PRESIDENCIA DE LA REPUBLICA**  
MINISTERIO DE AGRICULTURA

PROYECTO SUBSECTORIAL DE IRRIGACION

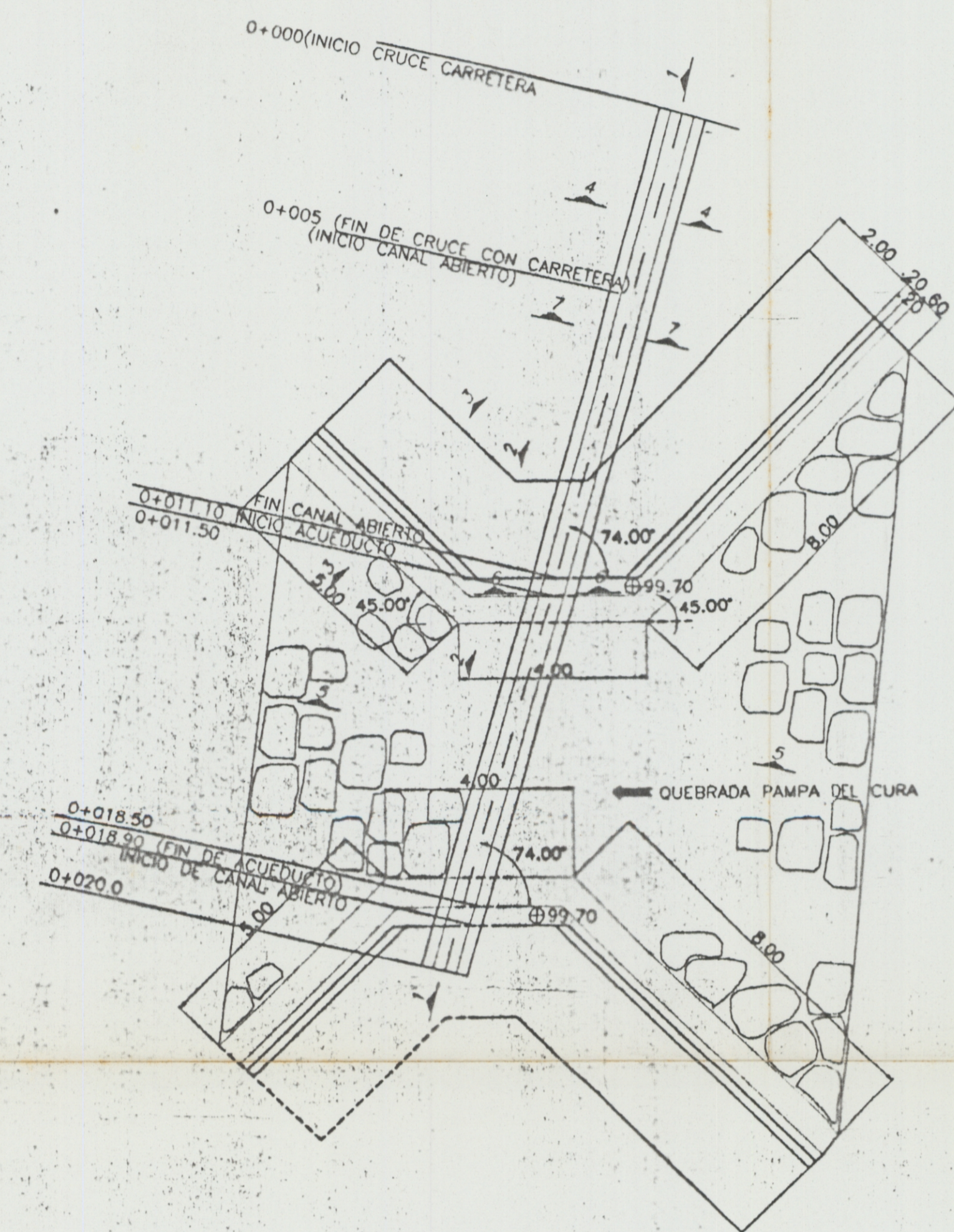
PROGRAMA DE RECONSTRUCCION DE LA INFRAESTRUCTURA DE RIEGO DEL VALLE DE SUPE

COMISION DE REGANTES DE VINTO

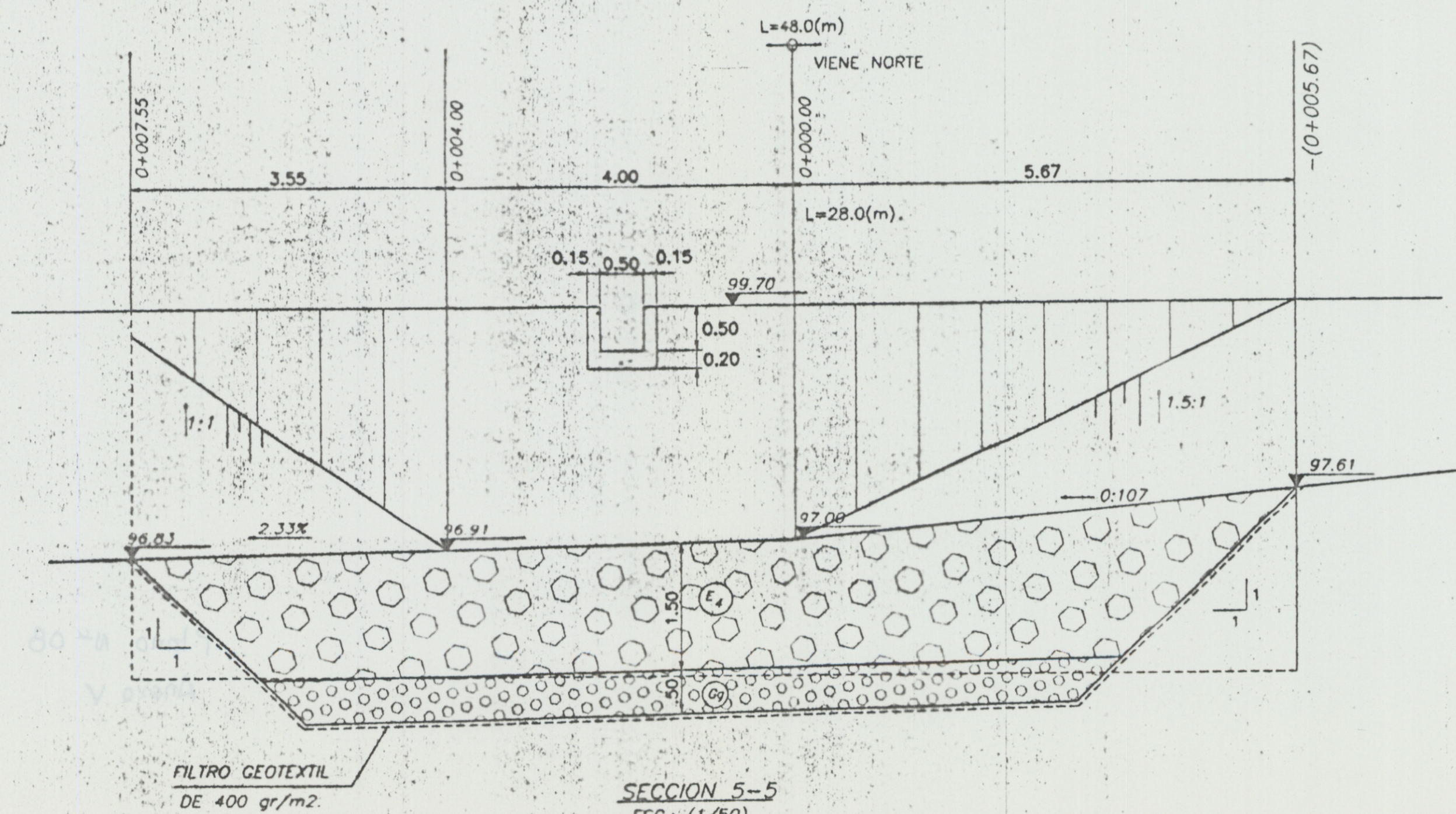
CONSORCIO JCCG EIRL - PROYEC S.A.

**TOMA - CANAL JAIVA II**  
PLANTA - SECCIONES  
PLANO DE FORMAS 015

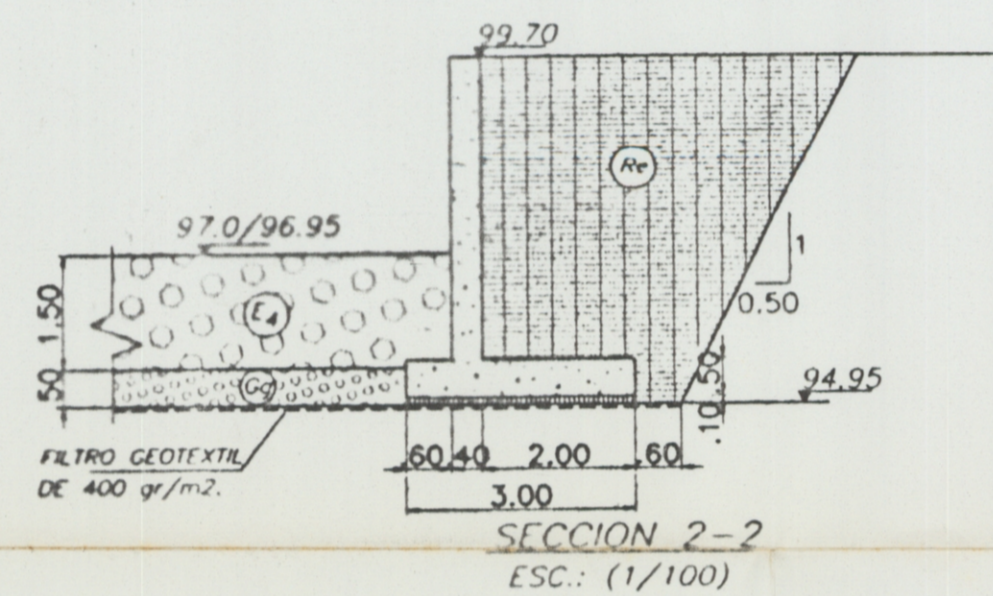
Escala : 1/50	Fecha : ABRIL '00	Dpto. : LIMA	Provincia : BARRANCA	Districto : SUPE	PSI - 012
Topografía : JOSE ALVA	Dibujo : WILLIAM	Diseño : J. GUTIERREZ	Revisión : ING. E. TUERO	Aprobación : ING. M. MAYAS	1/6 3/9 5/41



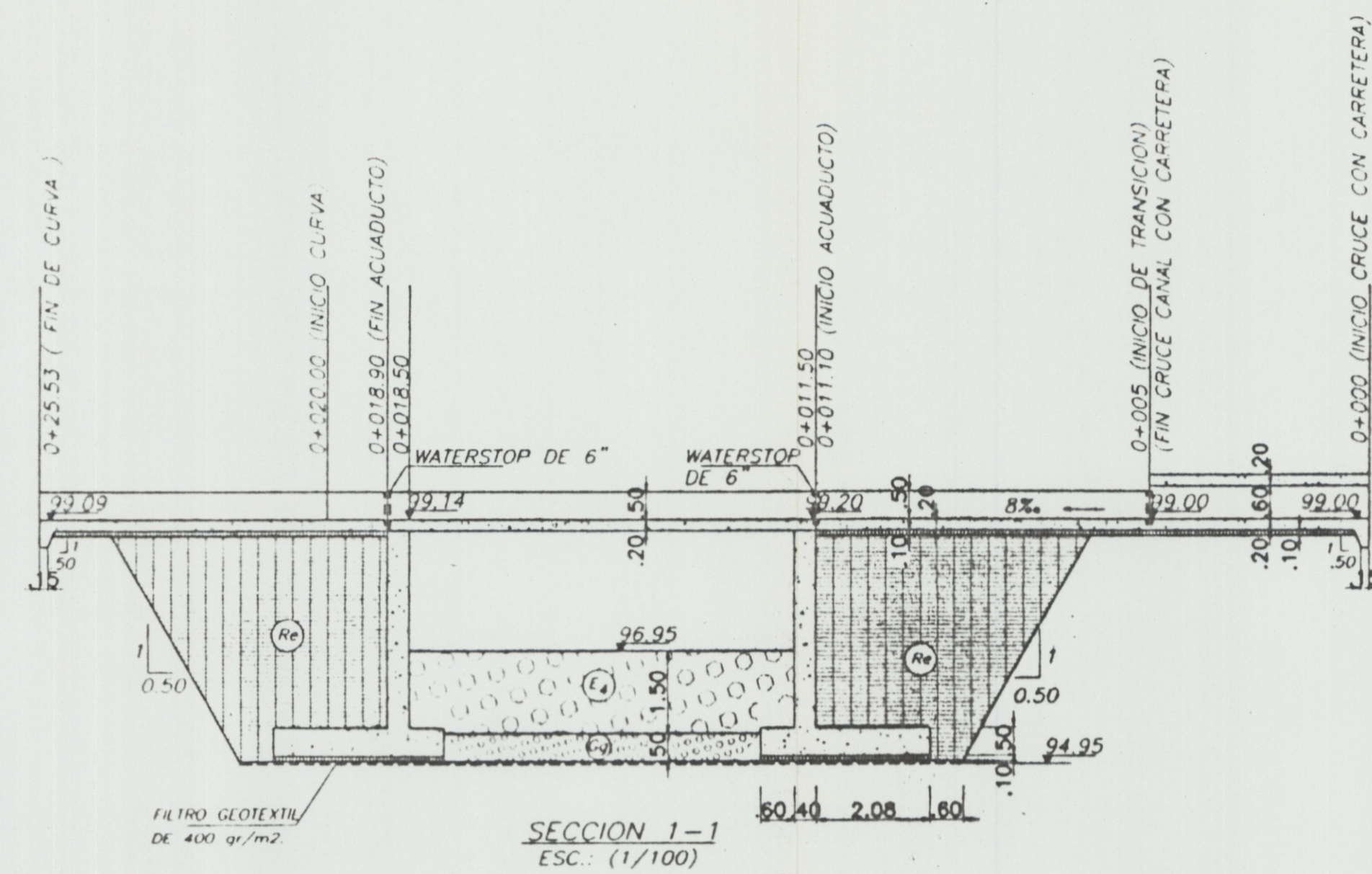
PLANTA  
ESC.: (1/100)



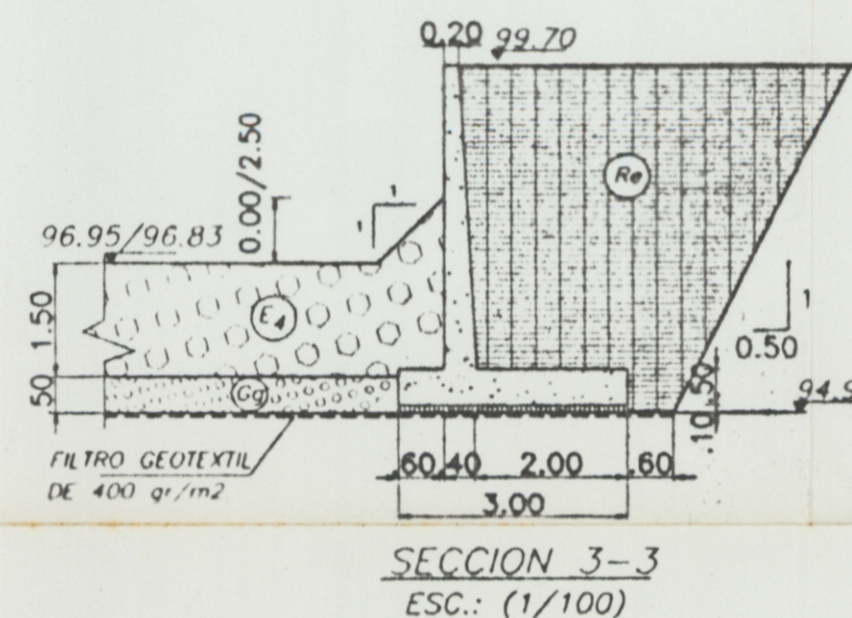
SECCION 5-5  
ESC.: (1/50)



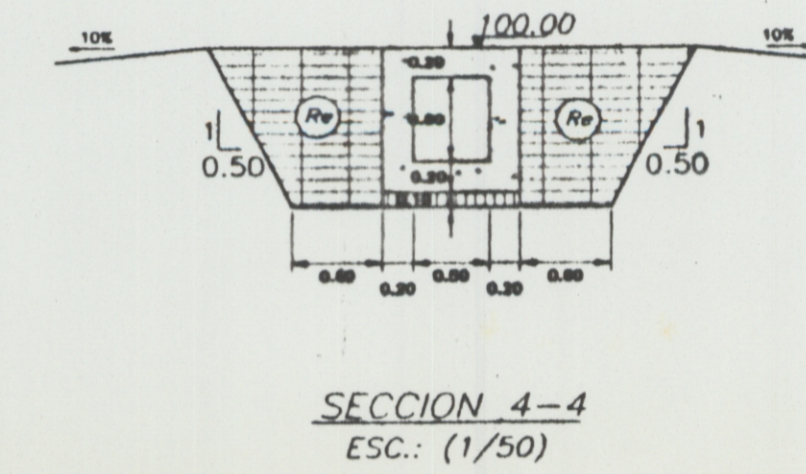
SECCION 2-2  
ESC.: (1/100)



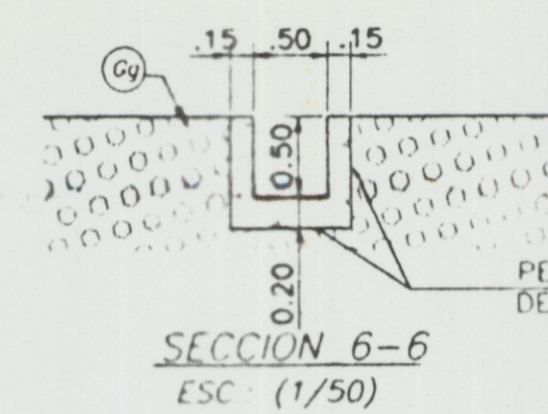
SECCION 1-1  
ESC.: (1/100)



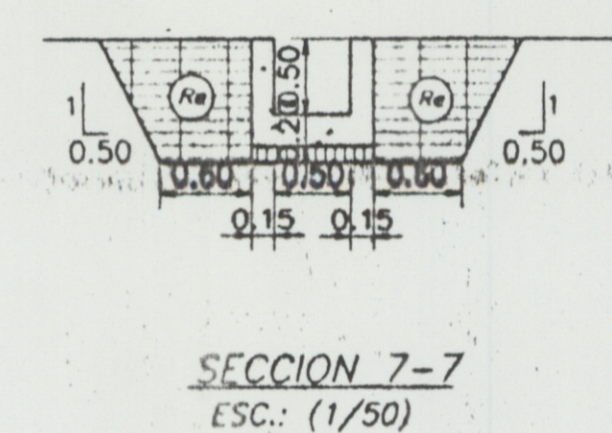
SECCION 3-3  
ESC.: (1/100)



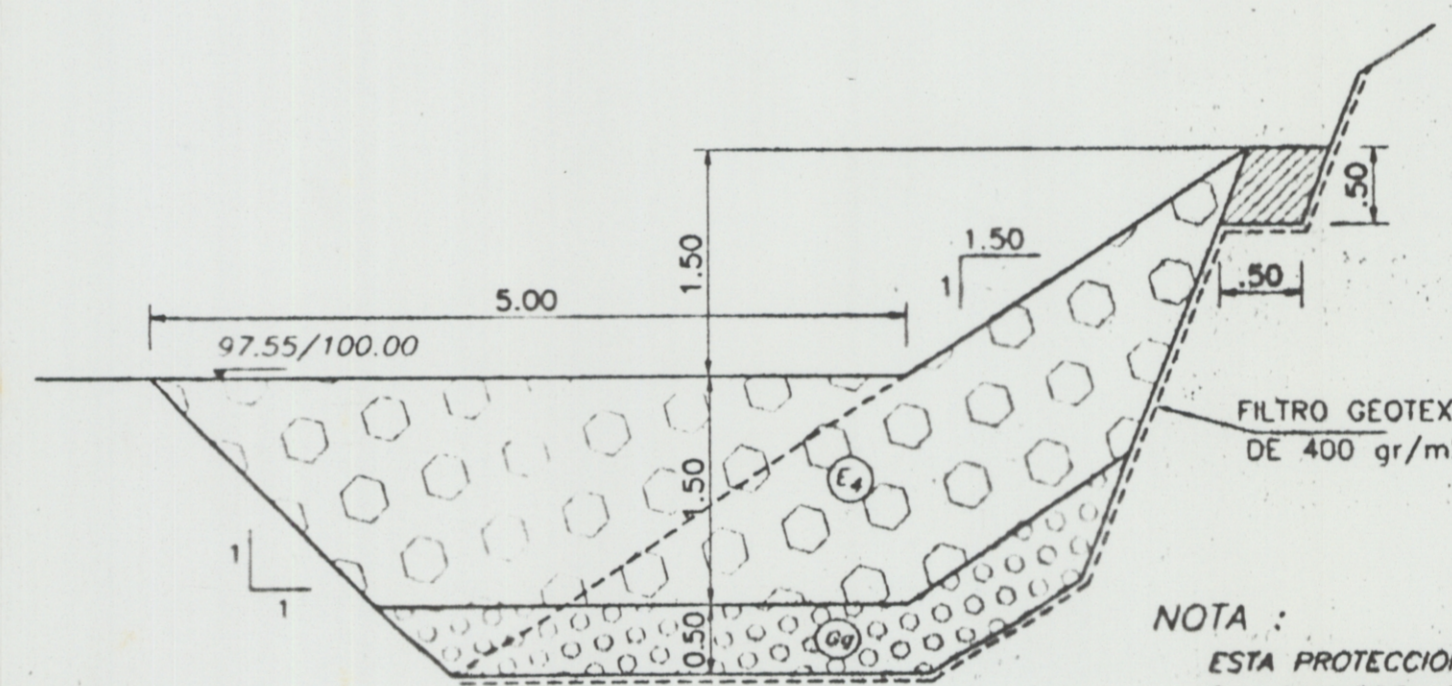
SECCION 4-4  
ESC.: (1/50)



SECCION 6-6  
ESC.: (1/50)



SECCION 7-7  
ESC.: (1/50)



(DE 0-005.67 a 0-022.33)  
ESC.: (1/50)

GRANULOMETRIA DE ENROCADO (E <sub>4</sub> )			
x (m)	100	50	30
# (m)	≤ 1.20	> 0.75	> 0.50

LEYENDA

- CONCRETO f'c = 100 kg/cm²
- CONCRETO f'c = 210 kg/cm²
- GRAVA GRIUSA
- ENROCADO
- CONCRETO f'c = 100 kg/cm²
- GRAVA ARENOSA

J.C. Contratistas Generales ERA  
PROYEC S.A. Contratistas Generales  
AGRICOLAS

CHRISTIAN THORSEN CUADRA  
Representante Legal

PRESIDENCIA DE LA REPUBLICA  
MINISTERIO DE AGRICULTURA

PROYECTO SUBSECTORIAL DE IRRIGACION

PROGRAMA DE RECONSTRUCCION DE LA INFRAESTRUCTURA DE RIEGO  
DEL VALLE DE SUPE

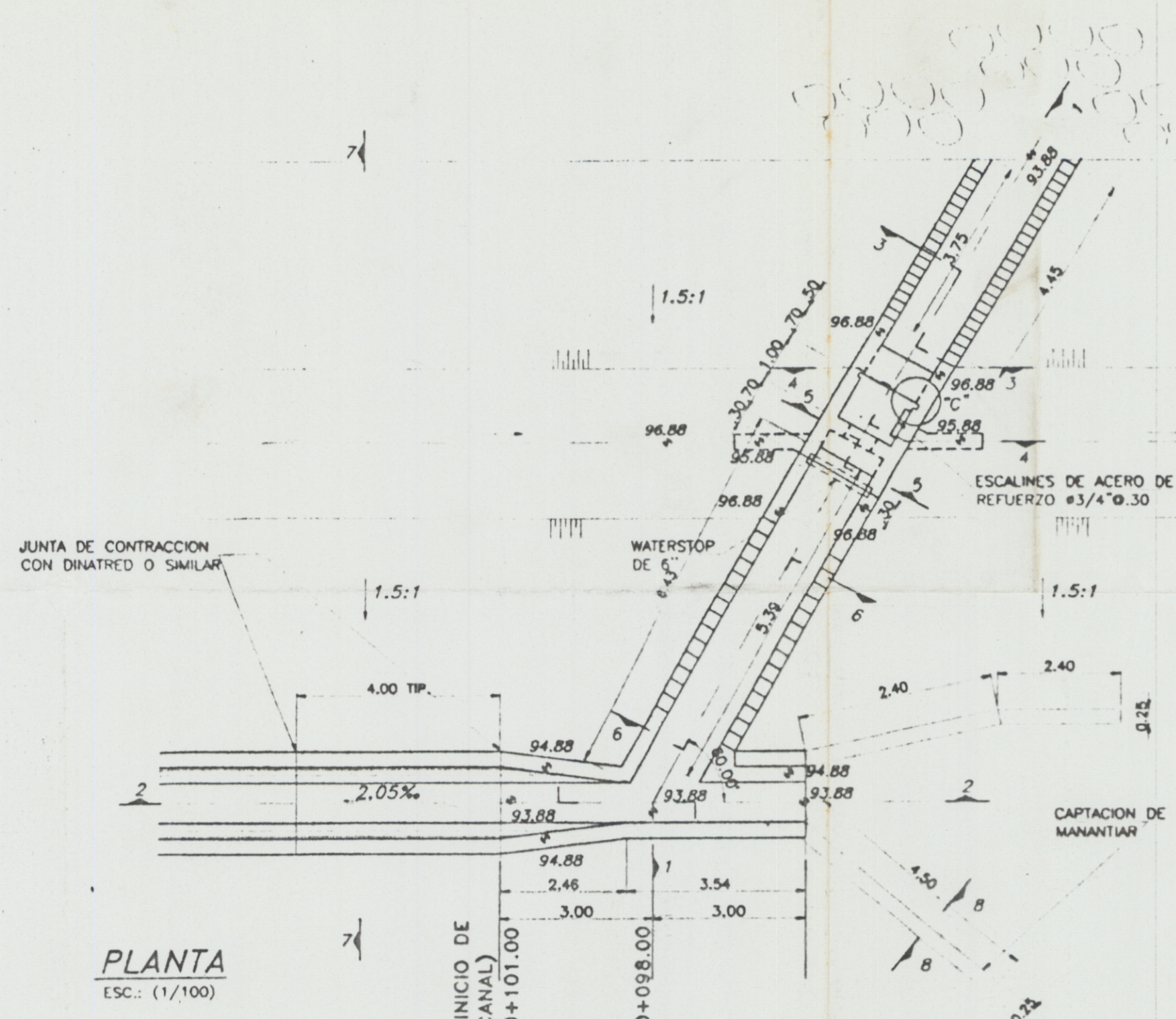
COMISION DE REGANTES DE VINTO

CONSORCIO JCCG EIRL. - PROYEC S.A.

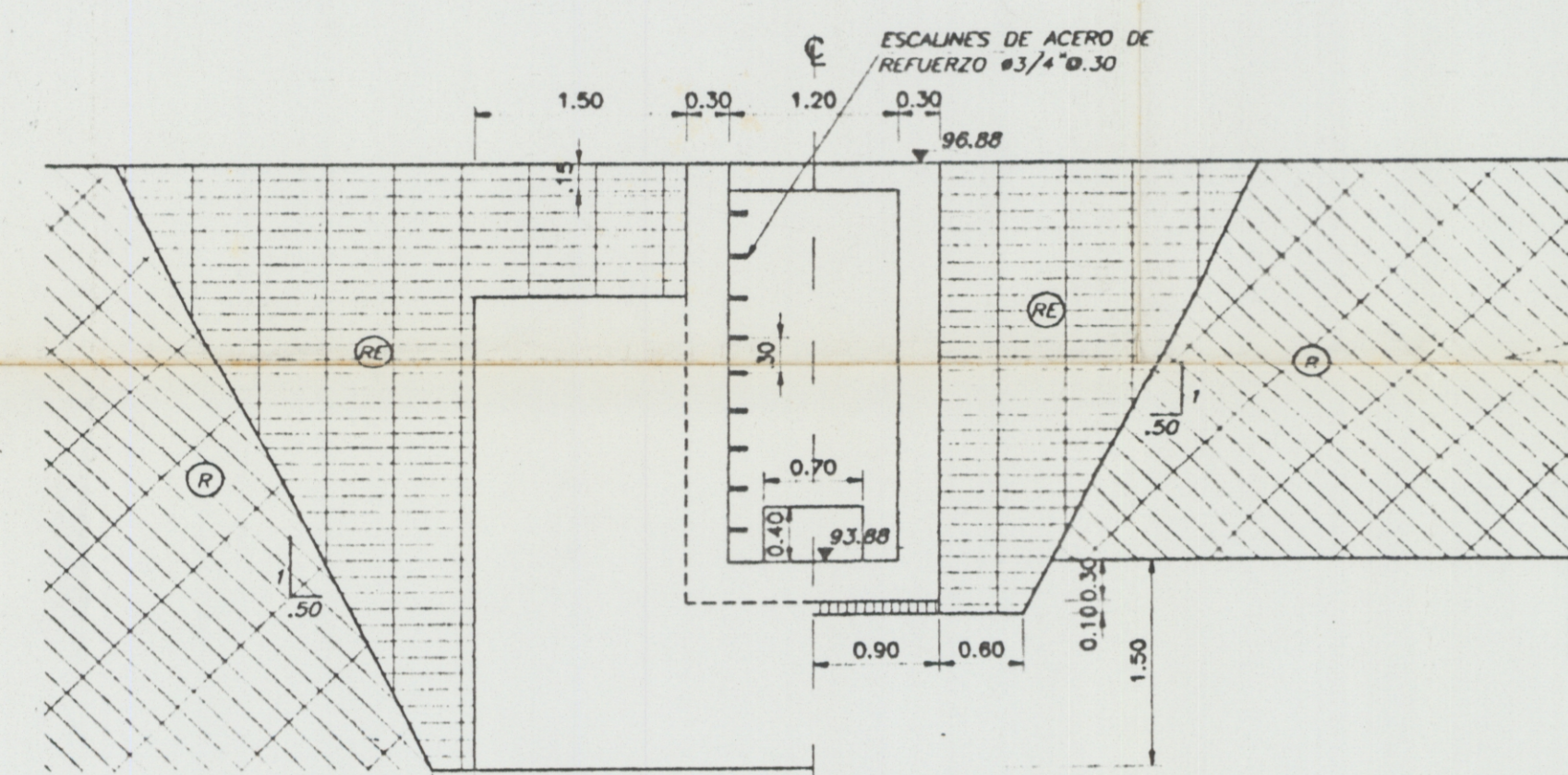
ACUEDUCTO "JAIVA II"  
PLANTA - SECCIONES  
PLANO DE FORMAS

008

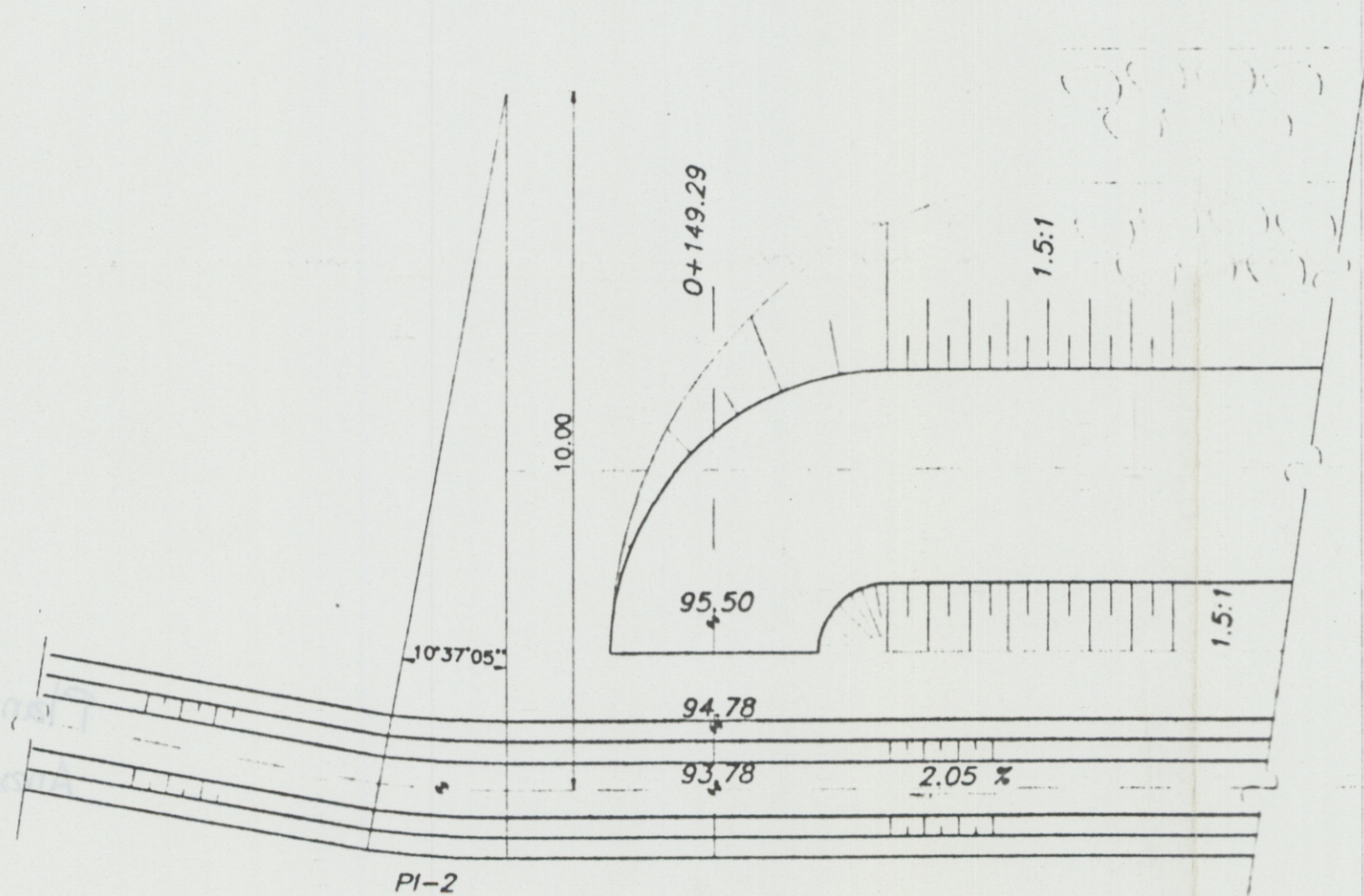
Escala	Fecha	Dpto.	Provincia	Districto	PSI - 012
INDICADA	ABRIL '00	LIMA	BARRANCA	SUPE	
Topografía	WILLIAM	Diseño	Revisión	Aprobación	
JOSE ALVA	WILLIAM	J. GUTIERREZ	ING. E. TUEROS	ING. MARAMAS	1/6 8/3 8/41



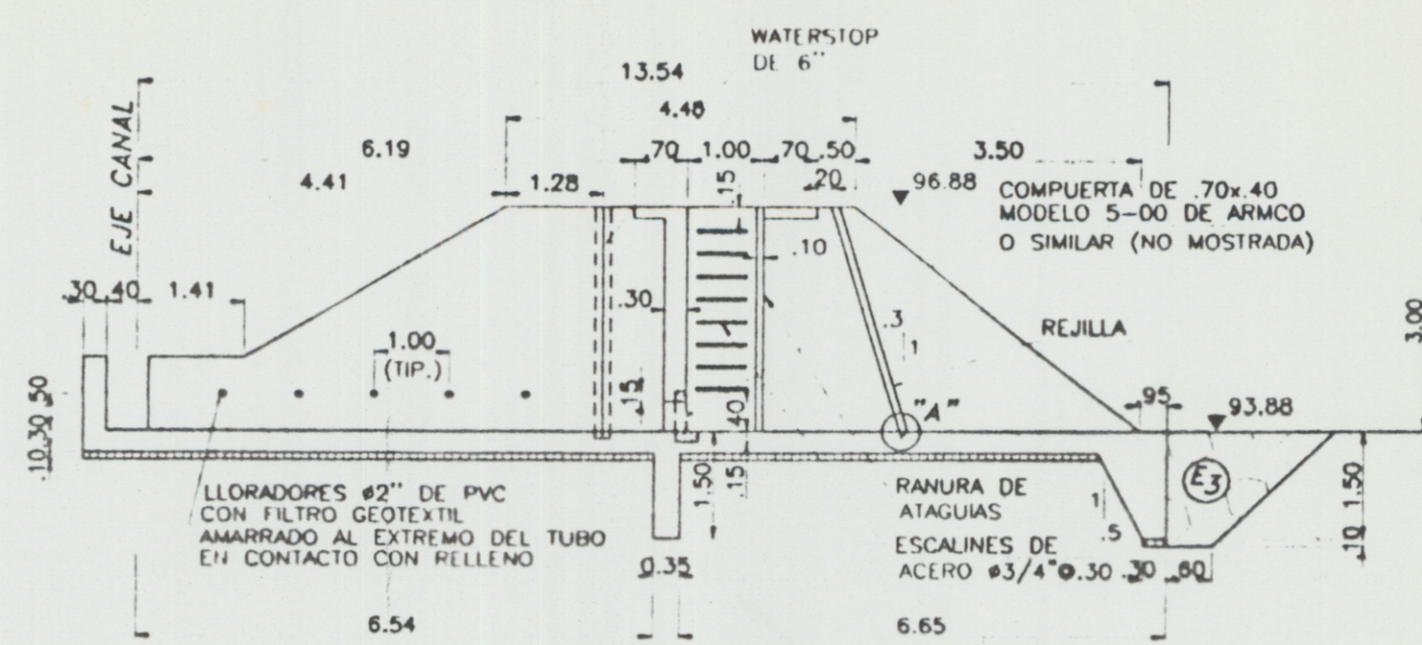
PLANTA  
ESC.: (1/100)



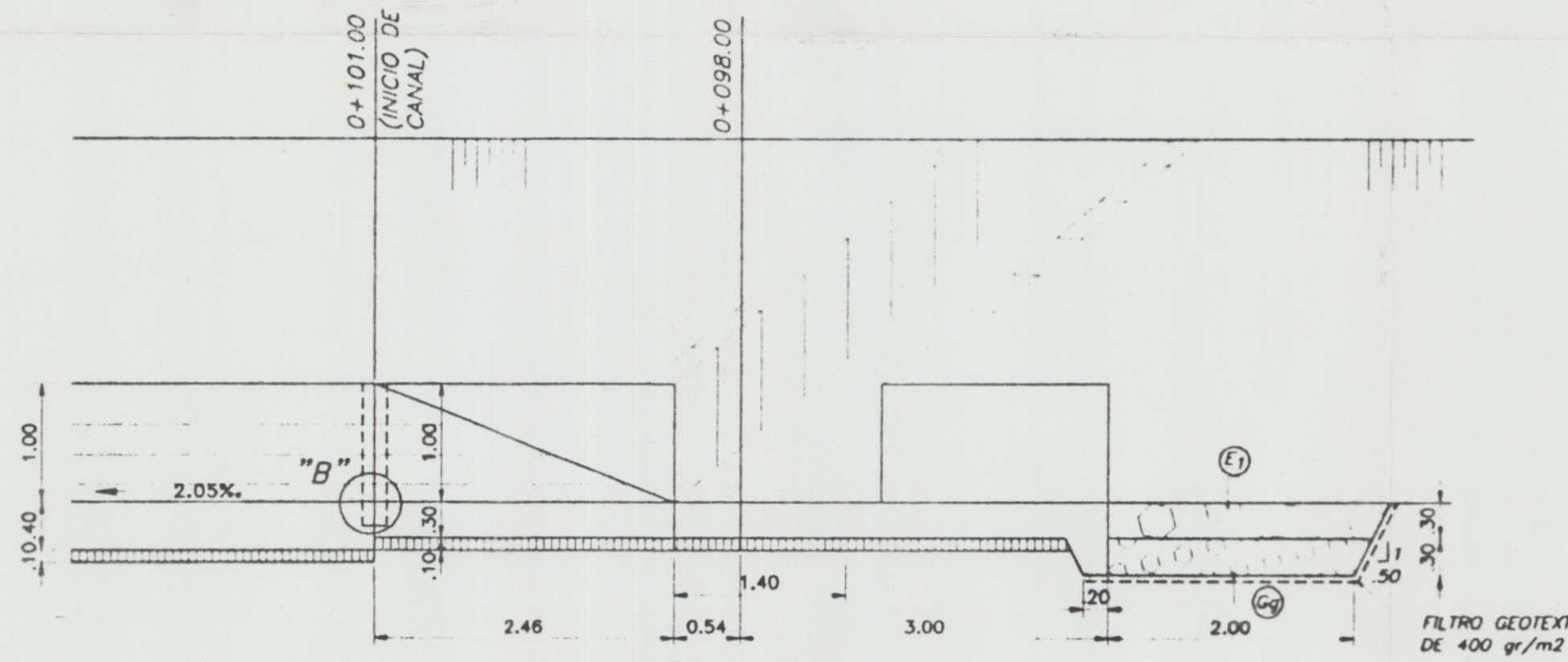
SECCION 4-4  
ESC.: (1/50)



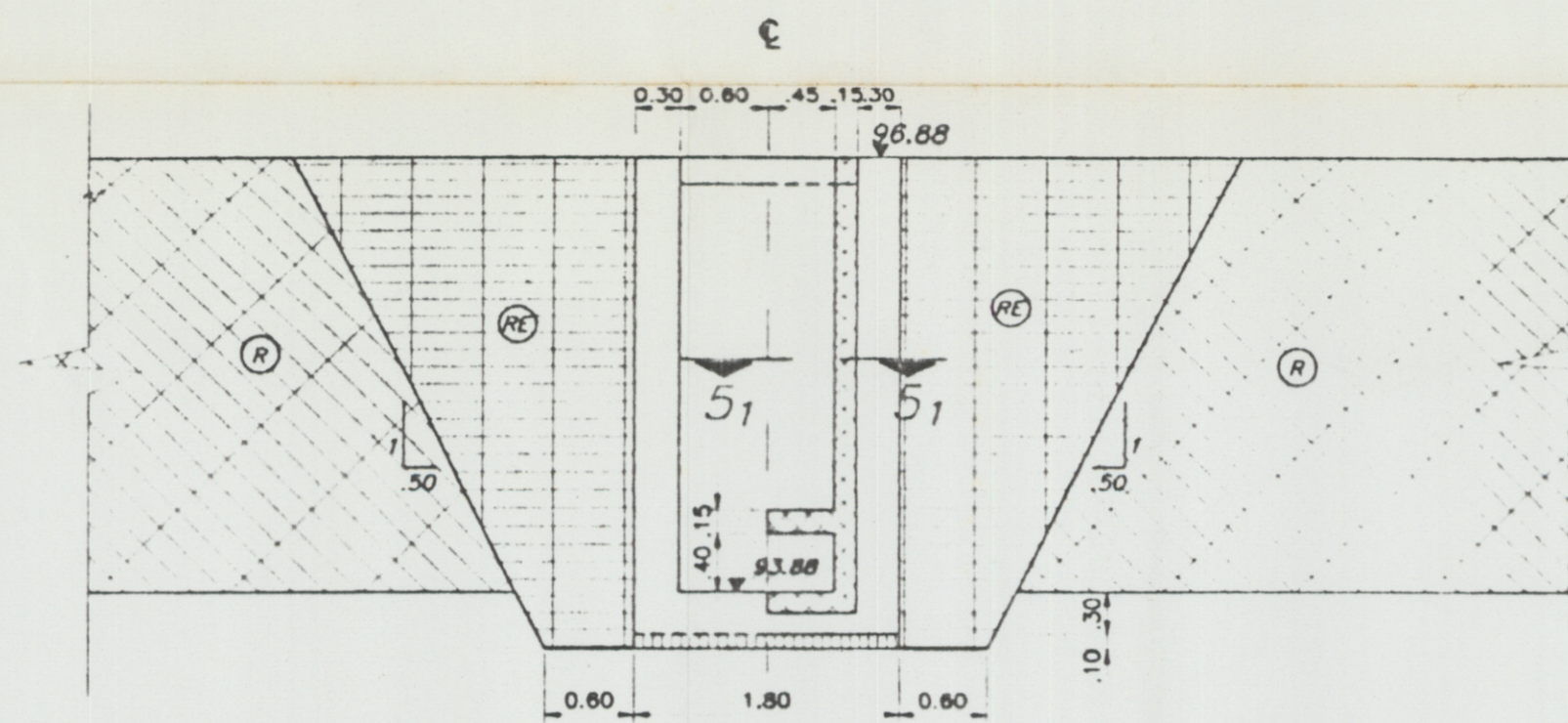
PLANTA  
ESC.: (1/50)  
(DETALLE TERMINAL DE DIQUE DE AGUAS ABAJO DE TOMA)



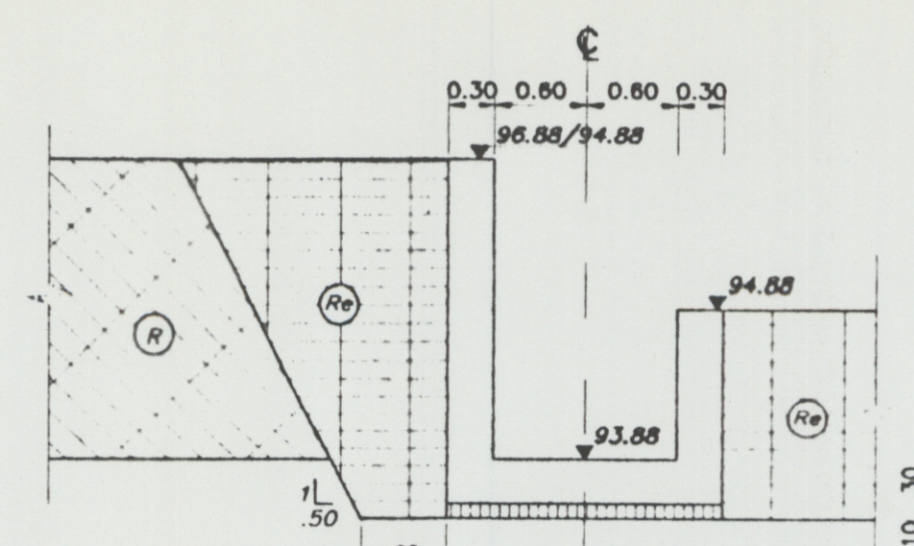
SECCION 1-1  
ESC.: (1/100)



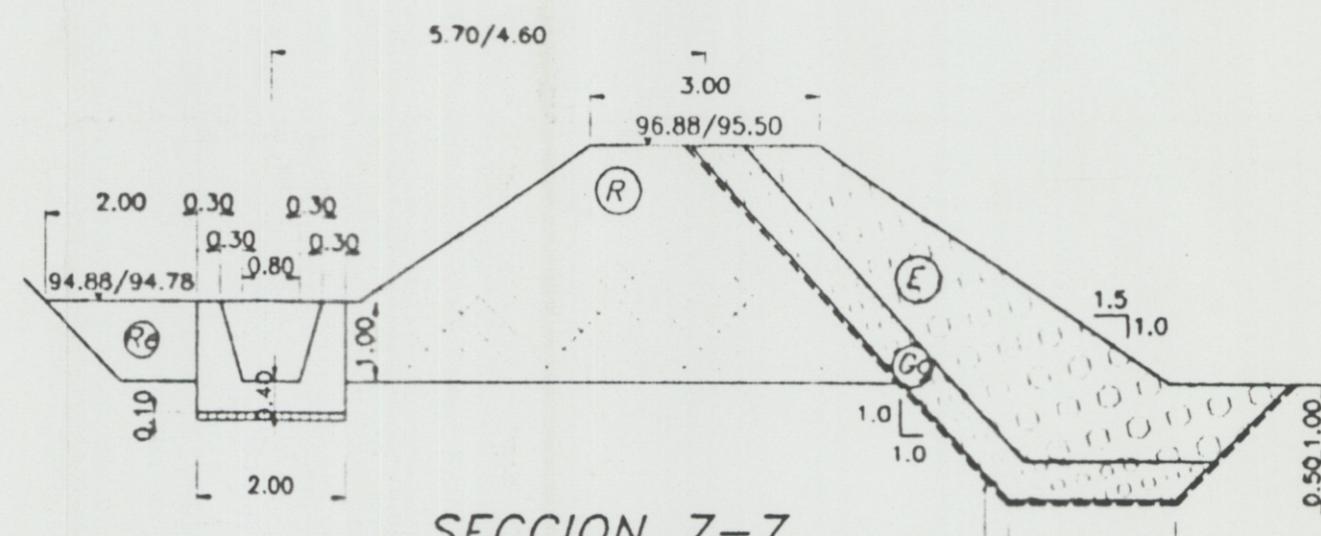
SECCION 2-2  
ESC.: (1/50)



SECCION 5-5  
ESC.: (1/50)



SECCION 6-6  
ESC.: (1/50)

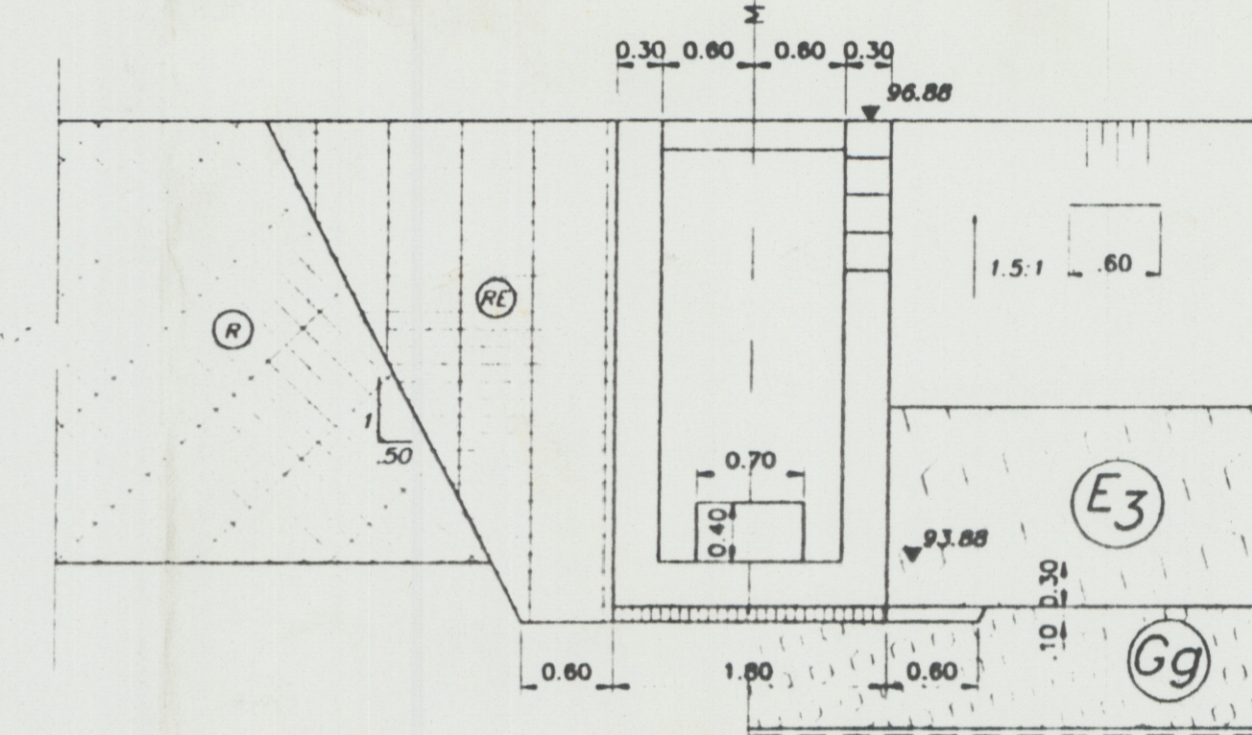


SECCION 7-7  
ESC.: (1/100)

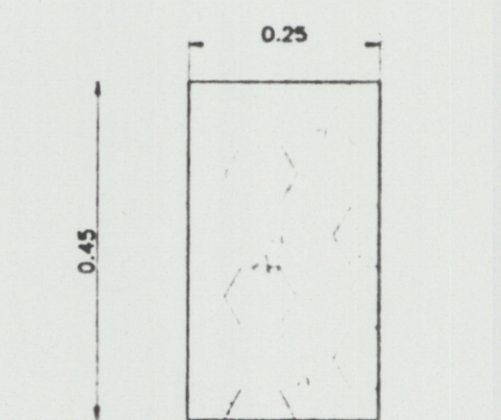
SECCION DE CANAL DE 0+101.00 a 0+149.29

GRANULOMETRIA DE ENROCADO

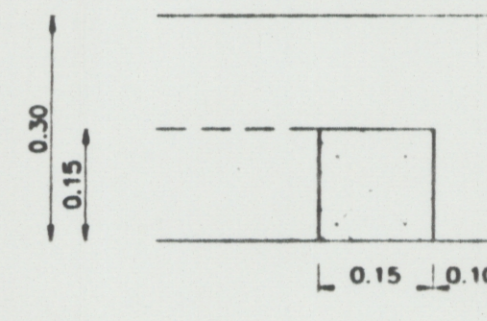
TIPO	X	100	50	80
E1	≤ 0.30	> 0.15	> 0.10	
E3	≤ 0.75	> 0.50	> 0.30	



SECCION 3-3  
ESC.: (1/50)



SECCION 8-8  
ESC.: 1/10



SECCION 5-5  
ESC.: 1/10

NOTA:  
LAS CAJUELAS PARA GUIAS DE COMPUERTAS PUEDEN REEMPLAZARSE USANDO PERNOS HILT

**LEYENDA**

- RELLENO COMPACTADO
- RELLENO PARA ESTRUCTURAS
- CONCRETO f<sub>c</sub> = 210 kg/cm<sup>2</sup>
- CONCRETO f<sub>c</sub> = 100 kg/cm<sup>2</sup>
- GRAVA GRUESA
- CONCRETO CICLOPEO
- ENROCADO

J.C. Contratistas Generales EIRL  
PROYEC S.A. Contratistas Generales  
ANEXO 1000

CHRISTIAN THORSEN CUADRA  
Representante Legal

**PRESIDENCIA DE LA REPUBLICA**  
MINISTERIO DE AGRICULTURA

PROYECTO SUBSECTORIAL DE IRRIGACION

PROGRAMA DE RECONSTRUCCION DE LA INFRAESTRUCTURA DE RIEGO DEL VALLE DE SUPE

COMISION DE REGANTES DE VINTO

CONSORCIO JCCG EIRL. - PROYEC S.A.

BOCATOMA "PEÑICO"  
PLANTA - SECCIONES  
PLANO DE FORMAS 013

Escala:	Fecha:	Dpto.:	Provincia:	Districto:	PSI - 012
INDICADA	ABRIL '00	LIMA	BARRANCA	SUPE	
Topografía:	Dibujo:	Diseño:	Revisión:	Aprobación:	
JOSE ALVA	WILLIAM	J. GUTIERREZ	ING. E. TUEROS	ING. M. RAMAS	2/6 2/11/13/41

