

CRONOGRAMA VALORADO DE TRABAJOS Y CURVA DE INVERSION

| RUBRO | CANTIDAD | PRECIO UNITARIO | PRECIO TOTAL | TIEMPO EN MESES | | | |
|---|-----------|-----------------|--------------|-----------------|-------------|-------|-------|
| | | | | MES 1 | MES 2 | MES 3 | MES 4 |
| PRELIMINARES | | | | | | | |
| EXCAVACION MANUAL SUELO NATURAL H=0-2m | 54,000 | 6,290 | 339,600 | 54,0000 | | | |
| | | | | ██████████ | | | |
| | | | | 339,6600 | | | |
| REPLANTEO Y NIVELACION CON APARATOS | 1.080,000 | 0,980 | 1.058,400 | 1.080,0000 | | | |
| | | | | ██████████ | | | |
| | | | | 1.058,4000 | | | |
| PLASTICO NEGRO | 882,960 | 2,750 | 2.428,140 | 882,9600 | | | |
| | | | | ██████████ | | | |
| | | | | 2.428,1400 | | | |
| MURO | | | | | | | |
| EXCAVACION A MAQUINA EN TIERRA H=0-2m | 52,080 | 1,820 | 94,786 | 52,0800 | | | |
| | | | | ██████████ | | | |
| | | | | 94,7856 | | | |
| RELLENO CON MATERIAL DE MEJORAMIENTO (COMPACTADOR) | 30,600 | 12,490 | 382,194 | 30,6000 | | | |
| | | | | ██████████ | | | |
| | | | | 382,1940 | | | |
| ACERO DE REFUERZO fy= 4200 kg/cm2 | 294,120 | 1,820 | 535,298 | 294,1200 | | | |
| | | | | ██████████ | | | |
| | | | | 535,2984 | | | |
| MALLA ELECTROSOLDADA 15cm*15cm*8mm | 225,480 | 11,750 | 2.649,390 | 225,4800 | | | |
| | | | | ██████████ | | | |
| | | | | 2.649,3900 | | | |
| MALLA ELECTROSOLDADA 15cm*15cm*10mm | 113,400 | 15,870 | 1.799,658 | 113,4000 | | | |
| | | | | ██████████ | | | |
| | | | | 1.799,6580 | | | |
| HORMIGÓN S. fc=140 kg/cm2 EN REPLANTILLO | 3,840 | 138,280 | 530,995 | 3,8400 | | | |
| | | | | ██████████ | | | |
| | | | | 530,9952 | | | |
| HORMIGÓN S. fc=180 kg/cm2 EN MUROS INC. ENCOFRADO | 42,720 | 208,000 | 8.885,760 | 42,7200 | | | |
| | | | | ██████████ | | | |
| | | | | 8.885,7600 | | | |
| HORMIGONES | | | | | | | |
| HORMIGÓN PREMEZCLADO EN REPLANTILLO DE 140 Kg/Cm² | 39,000 | 109,280 | 4.261,920 | 39,0000 | | | |
| | | | | ██████████ | | | |
| | | | | 4.261,9200 | | | |
| HORMIGÓN PREMEZCLADO EN LOSA DE CIMENTACIÓN DE 210 Kg/Cm2 CON ENCOFRADO | 156,000 | 123,700 | 19.297,200 | 156,0000 | | | |
| | | | | ██████████ | | | |
| | | | | 19.297,2000 | | | |
| HORMIGÓN PREMEZCLADO EN COLUMNAS DE 210 Kg/Cm2 SIN BOMBEO INC. ENCOFRADO | 27,000 | 165,000 | 4.455,000 | 27,0000 | | | |
| | | | | ██████████ | | | |
| | | | | 4.455,0000 | | | |
| HORMIGÓN S. fc=210 kg/cm2 EN CADENAS INF. INC. ENCONFRADO | 6,960 | 150,630 | 1.048,385 | 6,9600 | | | |
| | | | | ██████████ | | | |
| | | | | 1.048,3848 | | | |
| HORMIGÓN PREMEZCLADO CON BOMBEO EN LOSA CUBIERTA Y VIGAS fc=210 kg/cm2 INC. ENC. (LATERAL E INFERIOR) | 102,000 | 161,690 | 16.492,380 | | 102,0000 | | |
| | | | | | ██████████ | | |
| | | | | | 16.492,3800 | | |
| HORMIGON CICLOPEO CON ENCOFRADO fc 180 kg/cm2 | 9,600 | 136,140 | 1.306,944 | 9,6000 | | | |
| | | | | ██████████ | | | |
| | | | | 1.306,9440 | | | |
| ALIVIANAMIENTO BLOQUE POMEZ (40x20x15)cm | 4.656,000 | 0,600 | 2.793,600 | | 4.656,0000 | | |
| | | | | | ██████████ | | |
| | | | | | 2.793,6000 | | |
| MAMPOSTERIA | | | | | | | |
| | | | | | 1.961,1600 | | |

| | | | | | | | |
|--|---------|---------|-----------|----------|----------|--|--|
| TUBERIA PVC ROSCABLE D=1/2" EN CONDUCCION + PRUEBA | 540,000 | 1,790 | 966,600 | 270,0000 | 270,0000 | | |
| | | | | 483,3000 | 483,3000 | | |
| TANQUE PVC RESERVORIO 1100 LT (INC. KIT INSTAL) | 12,000 | 157,010 | 1,884,120 | 6,0000 | 6,0000 | | |
| | | | | 942,0600 | 942,0600 | | |
| LLAVE DE PASO 1/2" | 48,000 | 12,010 | 576,480 | 24,0000 | 24,0000 | | |
| | | | | 288,2400 | 288,2400 | | |
| VALVULA CHECK DE 1/2 pulg | 12,000 | 7,200 | 86,400 | 6,0000 | 6,0000 | | |
| | | | | 43,2000 | 43,2000 | | |
| AGUAS SERVIDAS Y LLUVIA | | | | | | | |
| PUNTO DE DESAGUES PVC 50 mm PTO | 60,000 | 8,590 | 515,400 | 30,0000 | 30,0000 | | |
| | | | | 257,7000 | 257,7000 | | |
| PUNTO DE DESAGUES PVC 110 mm PTO | 12,000 | 15,380 | 184,560 | 6,0000 | 6,0000 | | |
| | | | | 92,2800 | 92,2800 | | |
| TUBERIA PVC D=50 mm DESAGUE | 312,000 | 2,440 | 761,280 | 156,0000 | 156,0000 | | |
| | | | | 380,6400 | 380,6400 | | |
| TUBERIA PVC D=75 mm DESAGUE | 306,000 | 3,780 | 1,156,680 | 153,0000 | 153,0000 | | |
| | | | | 578,3400 | 578,3400 | | |
| TUBERIA PVC D=110 mm DESAGUE | 108,000 | 4,680 | 505,440 | 54,0000 | 54,0000 | | |
| | | | | 252,7200 | 252,7200 | | |
| YEE PVC 50mm DESAGUE | 12,000 | 3,880 | 46,560 | 6,0000 | 6,0000 | | |
| | | | | 23,2800 | 23,2800 | | |
| YEE PVC 75mm DESAGUE | 12,000 | 4,160 | 49,920 | 6,0000 | 6,0000 | | |
| | | | | 24,9600 | 24,9600 | | |
| YEE PVC 110mm DESAGUE | 36,000 | 1,400 | 50,400 | 18,0000 | 18,0000 | | |
| | | | | 25,2000 | 25,2000 | | |
| YEE PVC REDUCTORA 110X50mm DESAGUE | 48,000 | 3,900 | 187,200 | 24,0000 | 24,0000 | | |
| | | | | 93,6000 | 93,6000 | | |
| REDUCTOR PVC 110x50mm | 24,000 | 3,040 | 72,960 | 12,0000 | 12,0000 | | |
| | | | | 36,4800 | 36,4800 | | |
| CODO PVC 75mm x 90° VENTILACION | 36,000 | 2,560 | 92,160 | 18,0000 | 18,0000 | | |
| | | | | 46,0800 | 46,0800 | | |
| BAJANTE AA.LL. PVC-D 75 mm | 72,000 | 3,480 | 250,560 | 36,0000 | 36,0000 | | |
| | | | | 125,2800 | 125,2800 | | |
| BAJANTE PVC 110 mm INC. CODO | 36,000 | 4,030 | 145,080 | 18,0000 | 18,0000 | | |
| | | | | 72,5400 | 72,5400 | | |
| REJILLA DE PISO 3" ALUMINIO | 60,000 | 3,420 | 205,200 | 30,0000 | 30,0000 | | |
| | | | | 102,6000 | 102,6000 | | |
| REJILLA DE PISO 2" ALUMINIO | 12,000 | 3,110 | 37,320 | 6,0000 | 6,0000 | | |
| | | | | 18,6600 | 18,6600 | | |
| | | | | 48,0000 | 48,0000 | | |

| | | | | | | | | |
|---|---------|--------|-----------|-----------|------------|------------|------------|------------|
| FREGADERO A.I UN POZO INC. ACCESORIOS Y LLAVE CROMADA 1.00x0.50 m | 12,000 | 48,630 | 583,560 | | | | | |
| | | | | | | | | 583,5600 |
| SUMINISTRO E INSTALACION DE PIEDRA DE LAVAR | 12,000 | 86,600 | 1.039,200 | | | 12,0000 | | |
| | | | | | | | | 1.039,2000 |
| SIFON PVC 2" TIPO DESAGUE | 24,000 | 3,810 | 91,440 | | | | | 24,0000 |
| | | | | | | | | 91,4400 |
| | | | | | | | | 12,0000 |
| SIFON PVC 3" TIPO DESAGUE | 12,000 | 6,200 | 74,400 | | | | | |
| | | | | | | | | 74,4000 |
| VARIOS | | | | | | | | |
| CINTAS PLASTICAS DEMARCAACION AREAS DE TRABAJO | 360,000 | 0,120 | 43,200 | 90,0000 | 90,0000 | 90,0000 | 90,0000 | |
| | | | | | | | | |
| | | | | 10,8000 | 10,8000 | 10,8000 | 10,8000 | |
| INVERSION MENSUAL | | | | 88.427,84 | 64.537,05 | 47.951,17 | 52.224,72 | |
| AVANCE PARCIAL EN % | | | | 34,93% | 25,49% | 18,94% | 20,63% | |
| INVERSION ACUMULADA | | | | 88.427,84 | 152.964,90 | 200.916,06 | 253.140,78 | |
| AVANCE ACUMULADO EN % | | | | 34,93% | 60,43% | 79,37% | 100,00% | |

0,00

Quito, 24 de junio del 2022

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CONSTRUCTORA VASCONEZ PAREDES
ING. Y CONSTRUCCIONES CIA. LTDA.

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FISCALIZADOR
EPCONST

ARQ. WILMER JARAMILLO
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EPCONST

CURVA DE INVERSION



