

1 PLAN VIEW OF LAGUNA NEGRA  
 38 VISTA EN PLANTA DE LA LAGUNA NEGRA  
 1:1000

LAGUNA NEGRA SPILLWAY AND CHANNEL CENTERLINE SURVEY CONTROL

PUNTOS DE CONTROL TOPOGRAFICO DEL VERTEDERO Y LINEA CENTRAL DEL CANAL DE LA LAGUNA NEGRA

| POINT      | NORTHING   | EASTING   | ELEVATION |
|------------|------------|-----------|-----------|
| PUNTO 6450 | 9120270.38 | 804786.20 | 4010.00   |
| 6451       | 9120259.83 | 804783.01 | 4010.00   |
| 6452       | 9120287.93 | 804911.86 | 4007.38   |
| 6454       | 9120280.03 | 804912.97 | 4007.38   |
| 6460       | 9120284.91 | 804922.39 | 4007.38   |
| 6461       | 9120286.95 | 804931.70 | 4003.58   |
| 6462       | 9120324.68 | 804962.70 | 3993.58   |
| 6463       | 9120344.61 | 804974.40 | 3993.58   |
| 6464       | 9120351.60 | 804990.07 | 3990.18   |
| 6470       | 9120351.75 | 805009.73 | 3986.77   |
| 6471       | 9120351.05 | 805029.43 | 3983.37   |
| 6472       | 9120350.36 | 805049.22 | 3980.19   |
| 6473       | 9120349.66 | 805069.20 | 3979.79   |
| 6474       | 9120348.97 | 805089.19 | 3979.39   |
| 6475       | 9120348.27 | 805109.17 | 3979.00   |
| 6476       | 9120347.58 | 805129.15 | 3978.60   |
| 6477       | 9120346.88 | 805149.13 | 3978.20   |
| 6478       | 9120346.18 | 805169.11 | 3977.80   |
| 6479       | 9120345.48 | 805189.09 | 3977.40   |
| 6480       | 9120344.78 | 805209.07 | 3977.00   |

LAGUNA NEGRA EMBANKMENT CENTERLINE SURVEY CONTROL

PUNTOS DE CONTROL TOPOGRAFICO DE LA LINEA CENTRAL DEL DIQUE DE LA LAGUNA NEGRA

| POINT      | NORTHING   | EASTING   | ELEVATION |
|------------|------------|-----------|-----------|
| PUNTO 6467 | 9120104.31 | 804564.97 | 4016.23   |
| 6468       | 9120113.75 | 804568.26 | 4015.91   |
| 6469       | 9120123.19 | 804571.54 | 4015.59   |
| 6470       | 9120132.63 | 804574.82 | 4015.27   |
| 6471       | 9120142.07 | 804578.11 | 4014.95   |
| 6472       | 9120151.51 | 804581.39 | 4014.62   |
| 6473       | 9120160.95 | 804584.67 | 4014.30   |
| 6474       | 9120170.39 | 804587.95 | 4013.97   |
| 6475       | 9120179.83 | 804591.23 | 4013.65   |
| 6476       | 9120189.27 | 804594.51 | 4013.33   |
| 6477       | 9120198.71 | 804597.79 | 4013.01   |
| 6478       | 9120208.15 | 804601.07 | 4012.69   |
| 6479       | 9120217.59 | 804604.35 | 4012.37   |

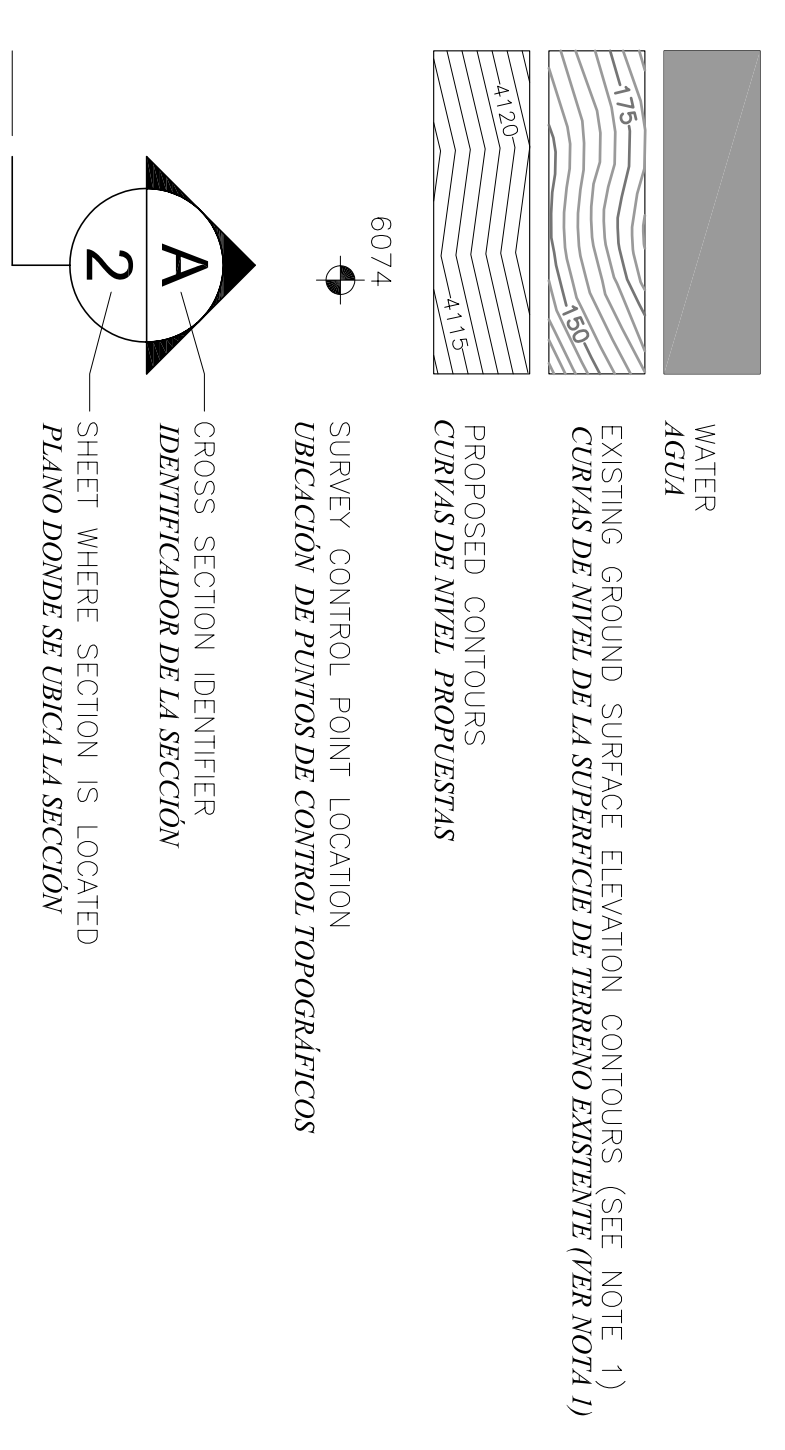
ENGINEER'S STAMP

REFERENCE DRAWINGS  
 PLANOS DE REFERENCIA

| NO. | REVISION DESCRIPTION | DATE    | BY  | CHKD | AP'VD |
|-----|----------------------|---------|-----|------|-------|
| 1   | RELEASED FOR TENDER  | 1/23/04 | JMR | JSH  | JFL   |

THIS DRAWING IS NOT APPROVED FOR CONSTRUCTION  
 ESTE PLANO NO ESTA APROBADO PARA CONSTRUCCION  
 A MENOS QUE LA FORMA REVISION ESTE EN MANEJO

LEGEND  
 LEYENDA



NOTES  
 NOTAS

1. THE SURFACE TOPOGRAPHY WAS PROVIDED BY MINERA BARRICK MISOQUICHICA, S.A. (MINISA).
2. ELEVATIONS ARE REFERENCED TO GEODETIC DATUM. THE GRID IS REFERENCED IN UTM COORDINATES.
3. THE TOE OF THE DAM MAY VARY FROM THAT SHOWN. IN THE FIELD IT IS DEFINED BY THE INTERSECTION OF THE OVERBURDEN REQUIRED WITH THE BEDROCK SURFACE, WHICHEVER IS HIGHER.
4. THE PIE DE LA PRESA PODRA VARIAR DEL MOSTRADO. EN EL CAMPO QUEDARA DEFINIDO POR LA INTERSECCION DEL TALUD DE PRESA CON LA SUPERFICIE DEL TERRENO NATURAL O CON LA SUPERFICIE DEL BASTIMIENTO MOCOSO, LA QUE SEA MAS ALTA.
5. PRIORITY TO EXCAVATION, THE CONTRACTOR SHALL SURVEY THE ORIGINAL GROUND SURFACE FOR THE PURPOSE OF CALCULATING QUANTITIES.
6. ORIGINAL DEL TERRENO CON EL PROPOSITO DE CALCULAR CANTIDADES.
7. CONCRETE LINER CAN BE ELIMINATED IF THE SPILLWAY IS CUT IN ROCK. CONCRETE ELIMINATION TO BE APPROVED BY THE ENGINEER.
8. EL BASTIMIENTO DE CONCRETO PUEDE SER ELIMINADO SI EL VERTEDERO ES CORTADO EN ROCA. EL BASTIMIENTO DE CONCRETO SE EXTENDERA SOBRE LA SOLERA.
9. SEE DRAWING 50 FOR ADDITIONAL SPILLWAY DETAILS.
10. VER PLANO 50 PARA DETALLES ADICIONALES DEL VERTEDERO.
11. REPRAP THICKNESS EQUAL TO TWO TIMES D<sub>50</sub> AS DEFINED ON DRAWING 27.
12. EL ESPESOR DEL REBENTAMIENTO ROCOSO ES IGUAL A DOS VECES D (TAMANO MEDIO DE ROCA) COMO SE DEFINIO EN EL PLANO 27.

PROJECT  
**BARRICK**  
 ALTO CHICAMA PROJECT  
 PROYECTO ALTO CHICAMA

TITLE  
**LAGUNA NEGRA PLAN**

TITLE  
**PLANTA DE LA LAGUNA NEGRA**

**Golden Associates**

|             |      |       |             |
|-------------|------|-------|-------------|
| PROJECT NO. | AREA | DISC. | DRAWING NO. |
| 334344      | 462  | EP    | PLANO 38    |
|             | 0120 | 4G    | DD          |
|             |      |       | 0003        |
|             |      |       | 00          |