So. 157 Howard Street
Spokane 4, Washington
August 13, 1962

Memorandum

To: Chief, Division of Field Operations

From: Acting Field Officer, Region I

Subject: Application examination
CMX-6240 (Copper-Silver)
Continental Rare Metals, Inc.
Rosetta Property
Lewis and Clark County, Montana

The subject applicant proposed to explore for copper-silver ore on the Rosetta property in Lewis and Clark County, Montana, by drifting and crosscutting, raising, diamond drilling, and longhole drilling at an estimated total cost of $94,304.00.

The property was examined June 15, 1962, in the company of James R. Maynard, President, and Steve Ginlio. About four hours were spent on the property.

The geology of the area is described by J. T. Pardee and F. C. Schrader (1933) in "Metalliferous Deposits of the Greater Helena Mining Region, Montana," U. S. Geol. Survey Bull. 842, pp. 110-112. In this paper, the mine is referred to as the New Era or Rosenfeld mine.

A fault vein striking about N. 35° E. and dipping 50°-70° N.W. cuts across beds of quartzite and argillite of the Belt series. For about 200 feet from the portal of the main tunnel, quartzite forms both walls of the vein; from there to the end of the drift, quartzite forms the hanging wall and green argillite the footwall. Near the end of the drift, the rocks are disturbed, probably by cross faulting. There is further evidence of cross faulting in a sublevel over the area where the main drift starts to turn farther to the southeast.

There are several lenses of ore along the vein between the main level portal and the zone of cross faulting, and some ore has been mined. For the most part, the ore is chalcopyrite in a gangue of quartz with some pyrite.

From July 1919 through April 1928, a total of 1,112,756 tons of ore have been shipped from this property. Although a weighted average grade has not been determined, by far the most important commodity is

copper. While additional ore bodies might be found above and below the main level, it is doubtful if they would be of significant size.

It is therefore recommended that this application be denied.

D. B. MacLaren

Distribution:

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VIEW OF MAIN TUNNEL

LOOKING SOUTH

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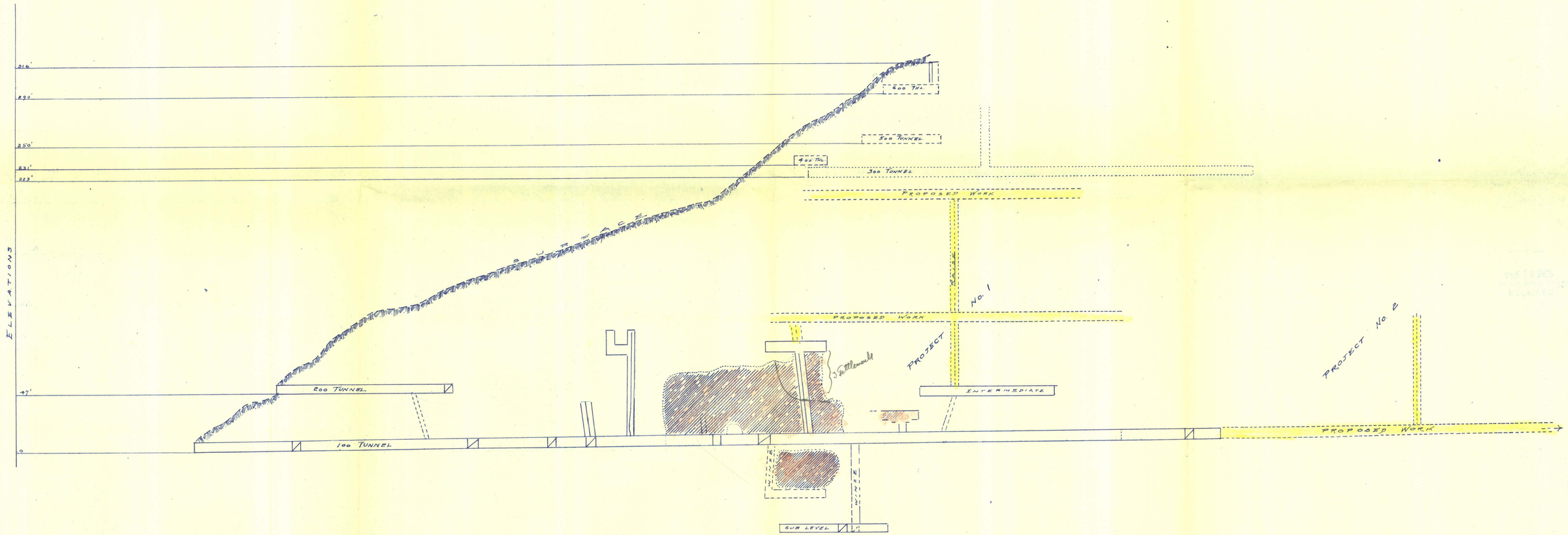
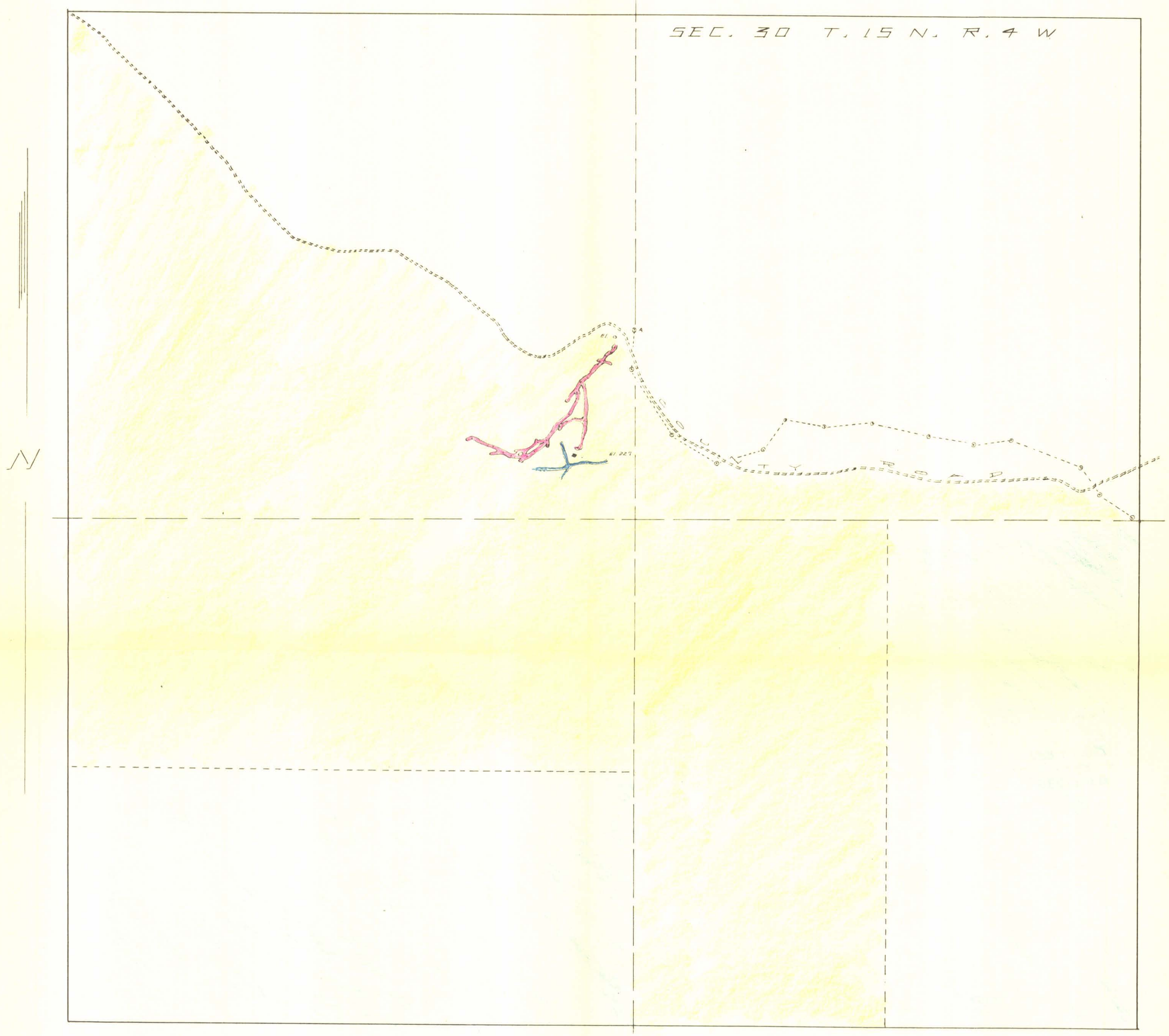
ROSETTA MINE

CONTINENTAL RARE METALS INC.

40 SCALE



VERTICAL LONG. SECTION THRU N-N'



PROPERTY MAP

ROSETTA MINE

CONTINENTAL RARE METALS INC

400 SCALE

RECEIVED
APR 13 1962
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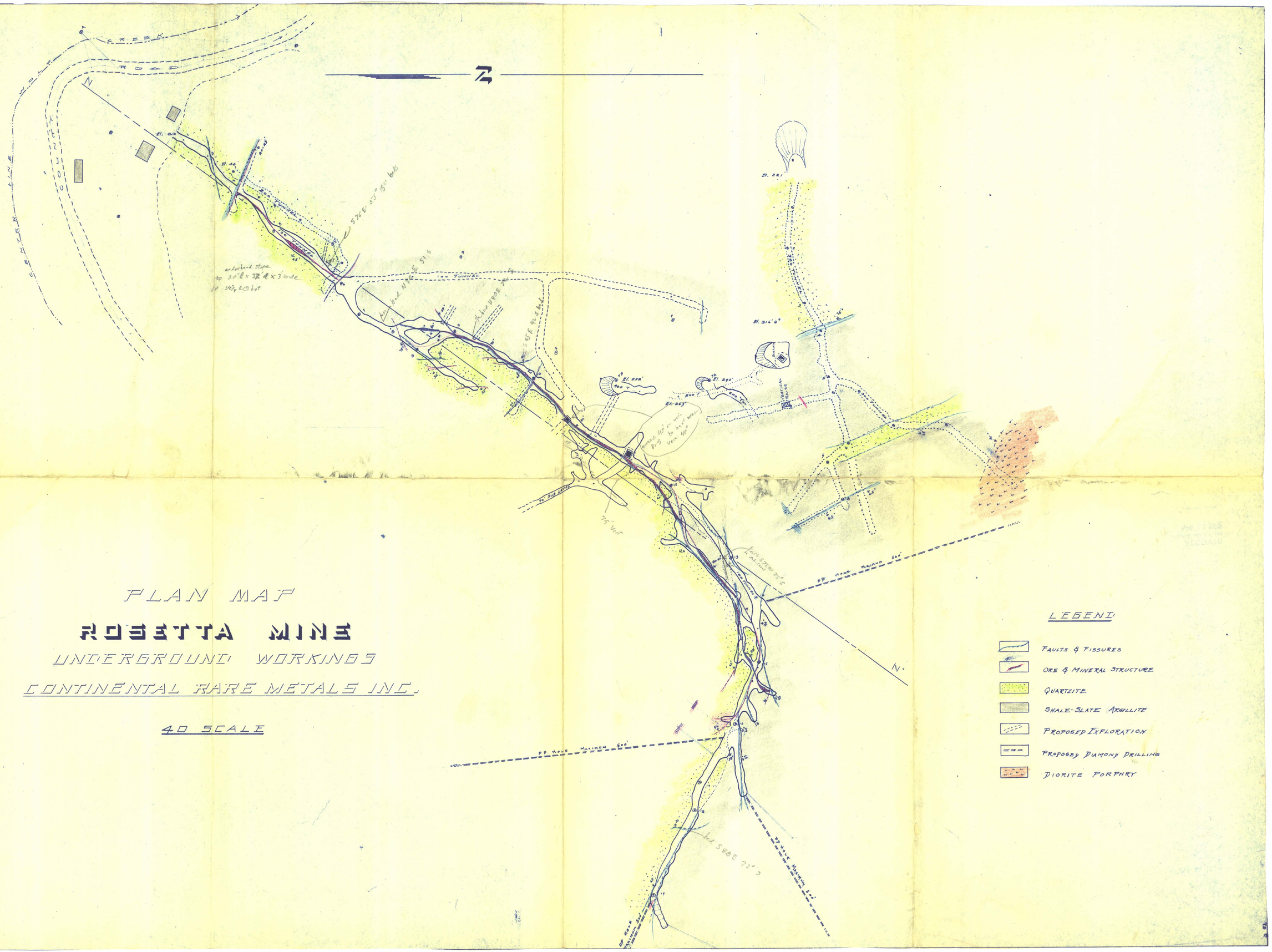
SPOKANE, WASH.



PLAN MAP

ROSETTA MINE

UNDERGROUND WORKINGS

CONTINENTAL RARE METALS INC.

40 SCALE