

Project Description & Environmental Assessment Report

Carmacks Copper Project Yukon Territory



Note: Drawing is for illustrative purposes only, NOT FOR CONSTRUCTION

Original drawing from Kilborn,
The engineering data on this drawing is solely for the purpose and project for which this drawing is issued.
"Sulphuric Acid Plant Flowsheet #10",
Drawing #400-03-12 Rev C

Sulphuric Acid Plant Flowsheet #10

Drawing Number:

400-03-12



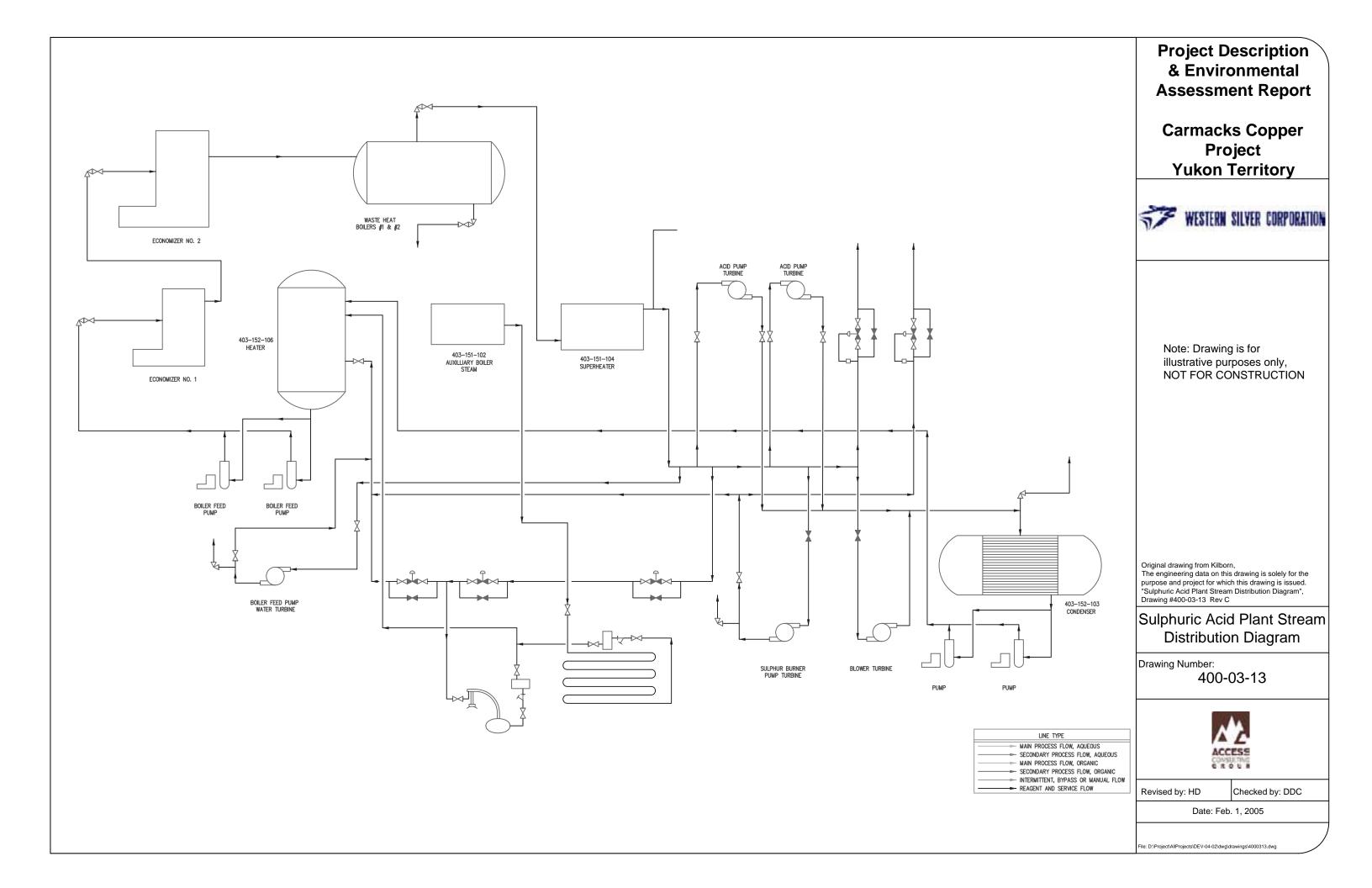
Revised by: HD

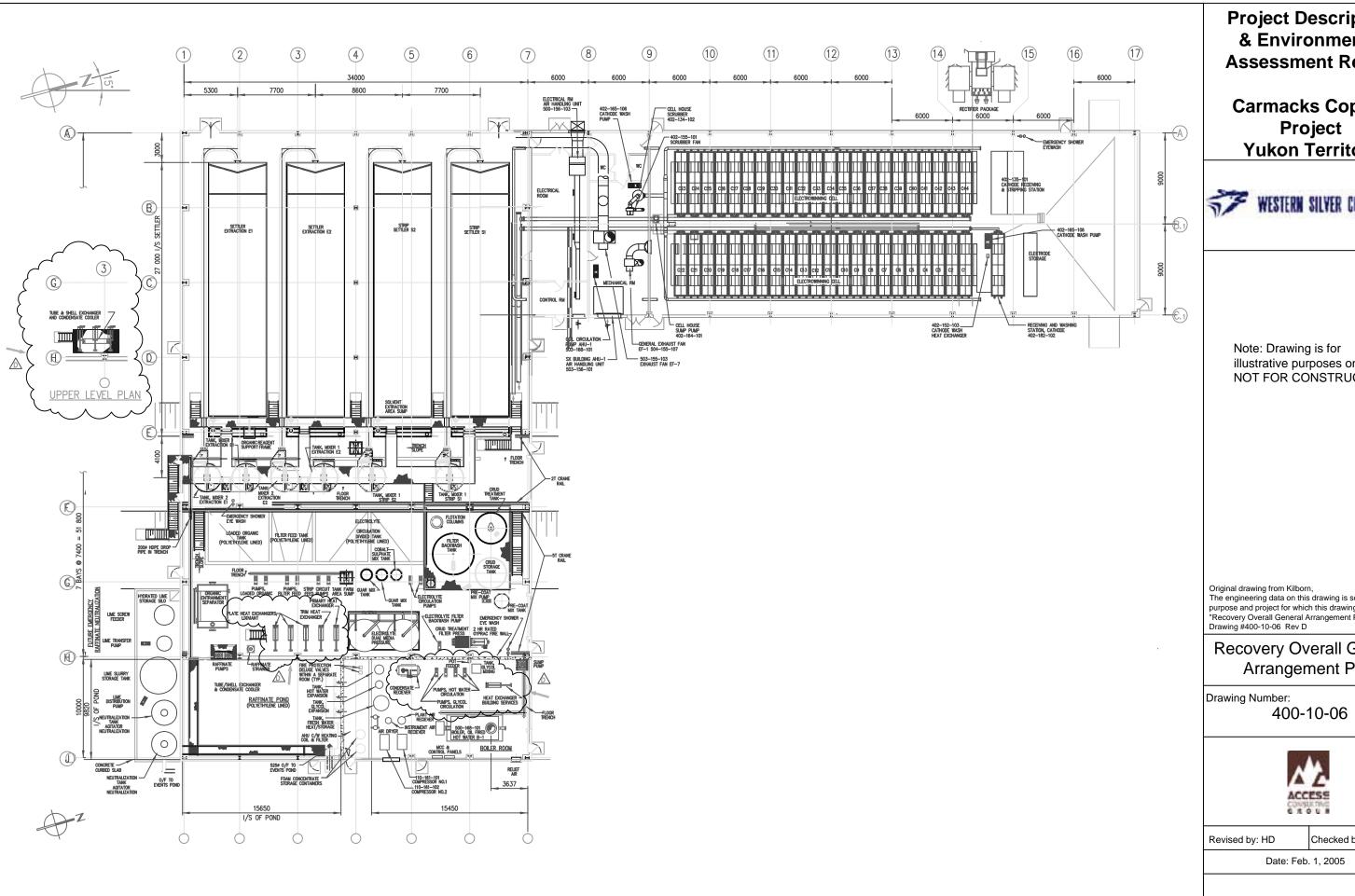
400-03-06 DRAWING NUMBER

Checked by: DDC

Date: Feb. 1, 2005

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Carmacks Copper Yukon Territory



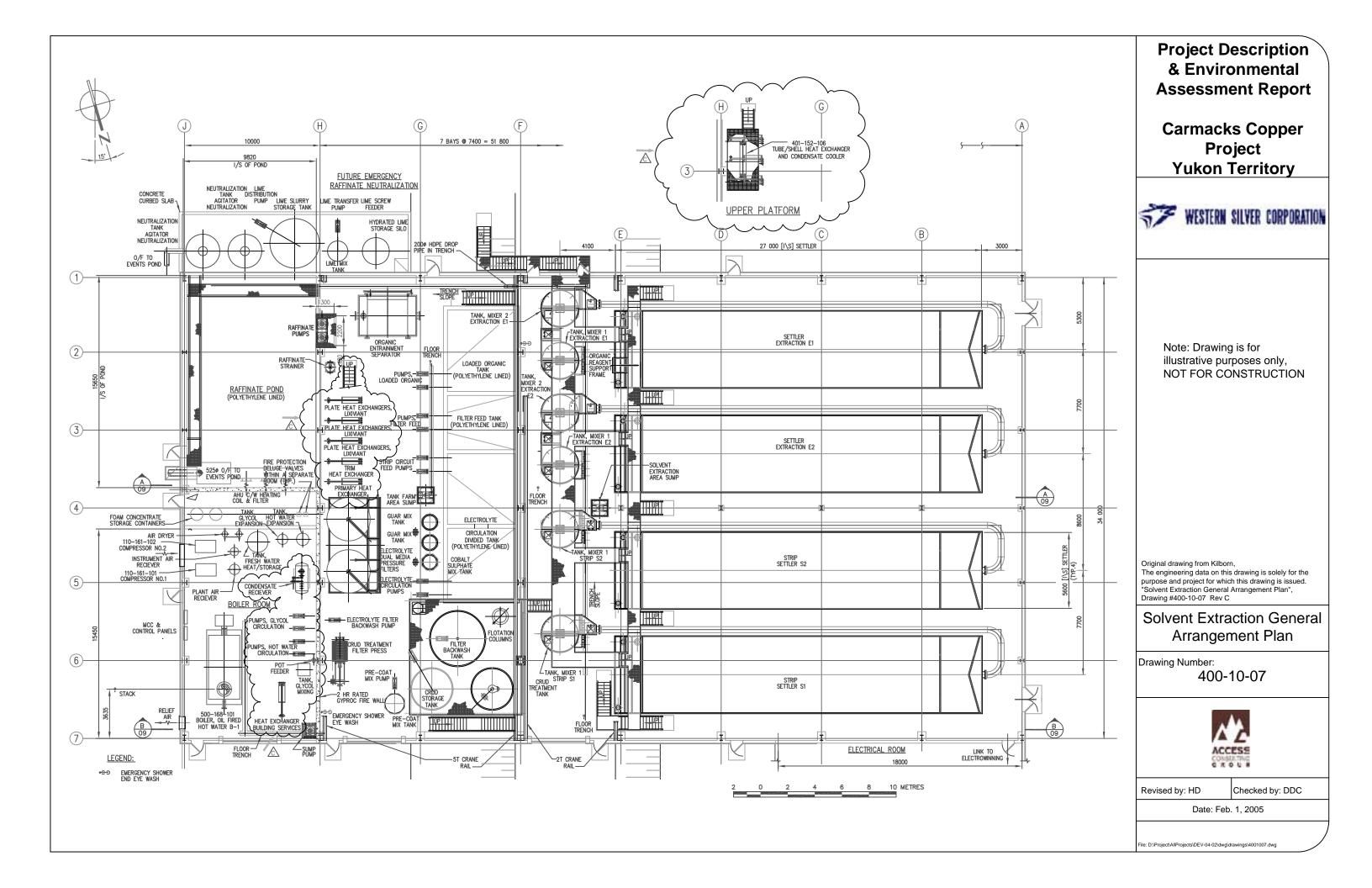
illustrative purposes only, NOT FOR CONSTRUCTION

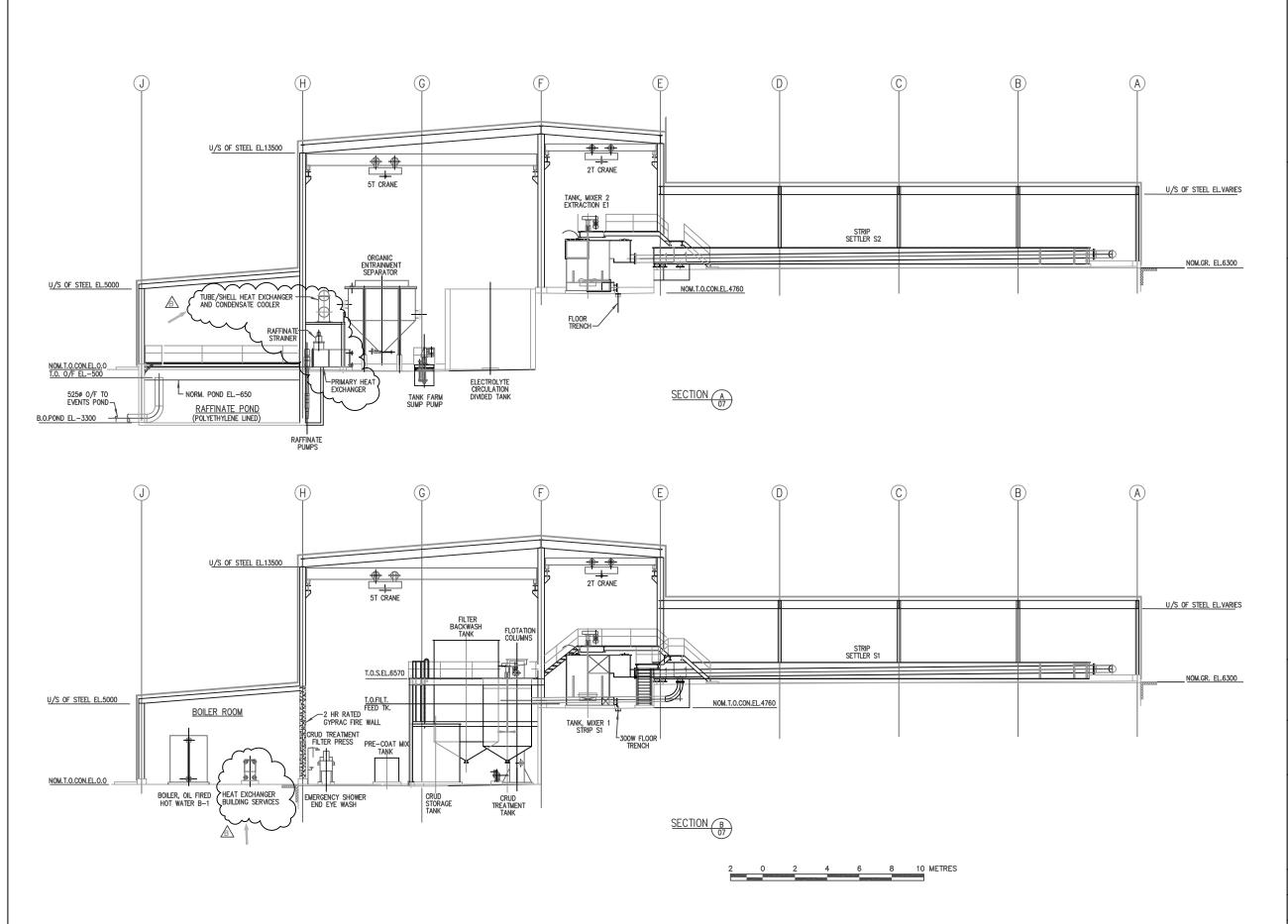
The engineering data on this drawing is solely for the purpose and project for which this drawing is issued.
"Recovery Overall General Arrangement Plan",
Drawing #400-10-06 Rev D

Recovery Overall General Arrangement Plan

Checked by: DDC

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Original drawing from Kilborn, The engineering data on this drawing is solely for the purpose and project for which this drawing is issued. "Solvent Extraction General Arrangement Sections", Drawing #400-10-09 Rev B

Solvent Extraction General Arrangement Sections

Drawing Number:

400-10-09

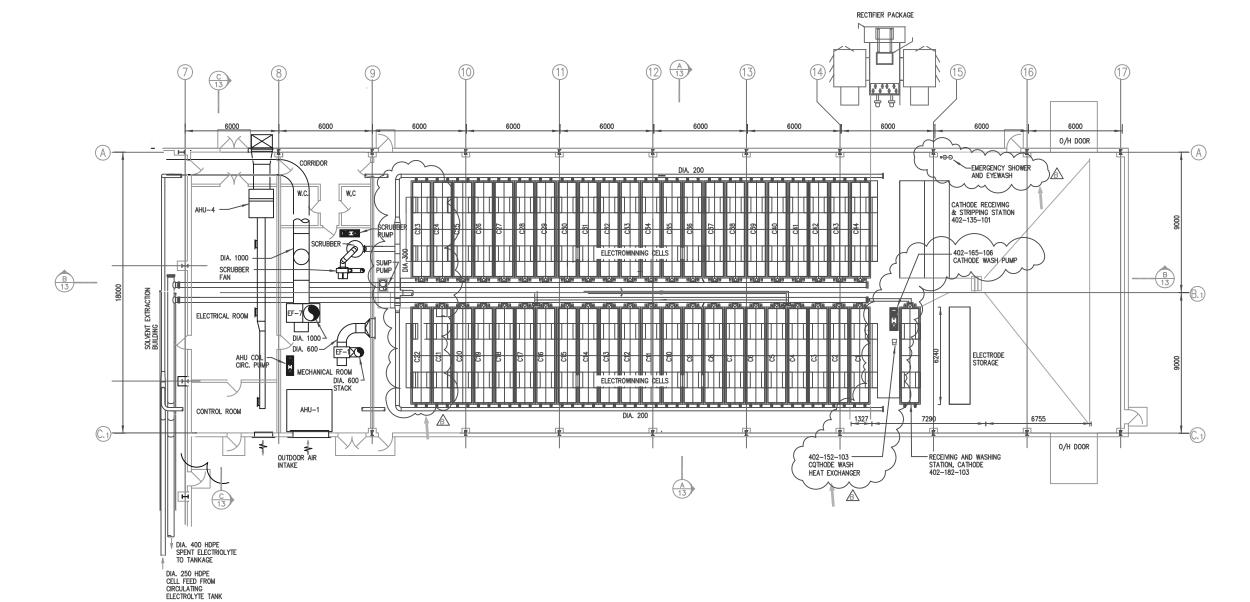


Revised by: HD

Checked by: DDC

Date: Feb. 1, 2005

ile: D:\Project\AllProjects\DEV-04-02\dwg\drawings\4001009.dwg



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"Electrowinning Building Plan",
Drawing #400-10-11 Rev C

Electrowinning Building Plan

Drawing Number: 400-10-11

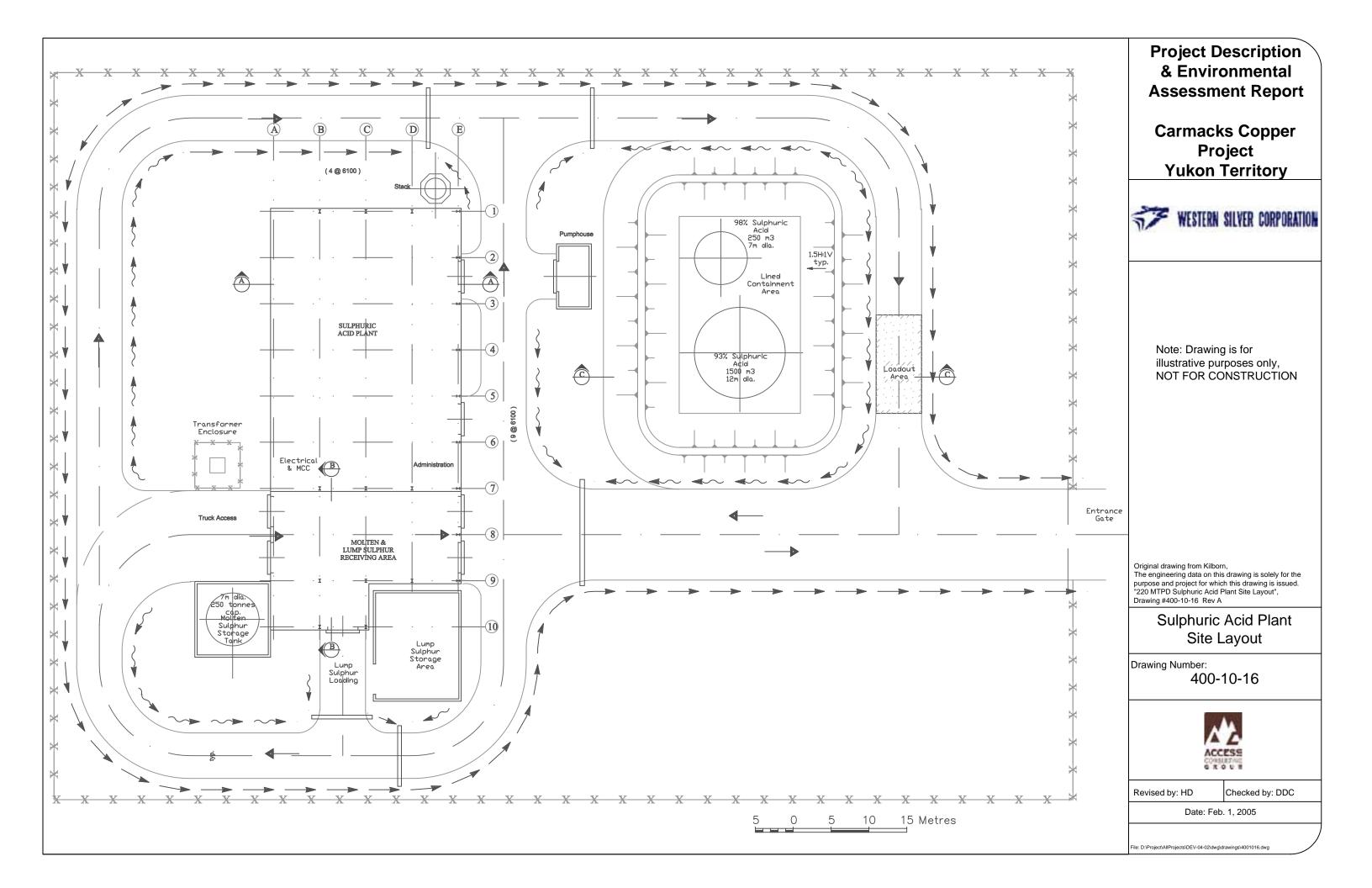


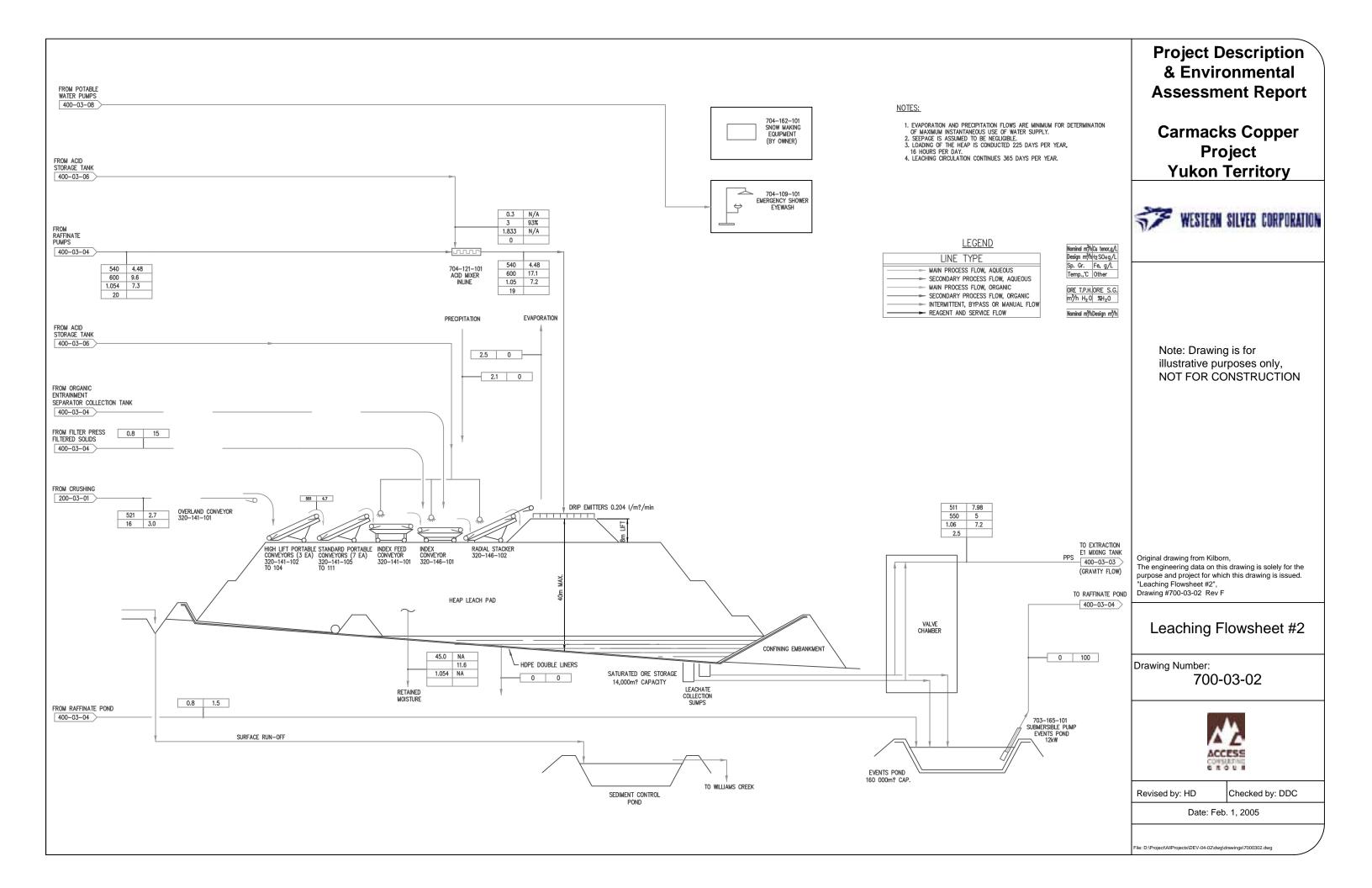
Revised by: HD

Checked by: DDC

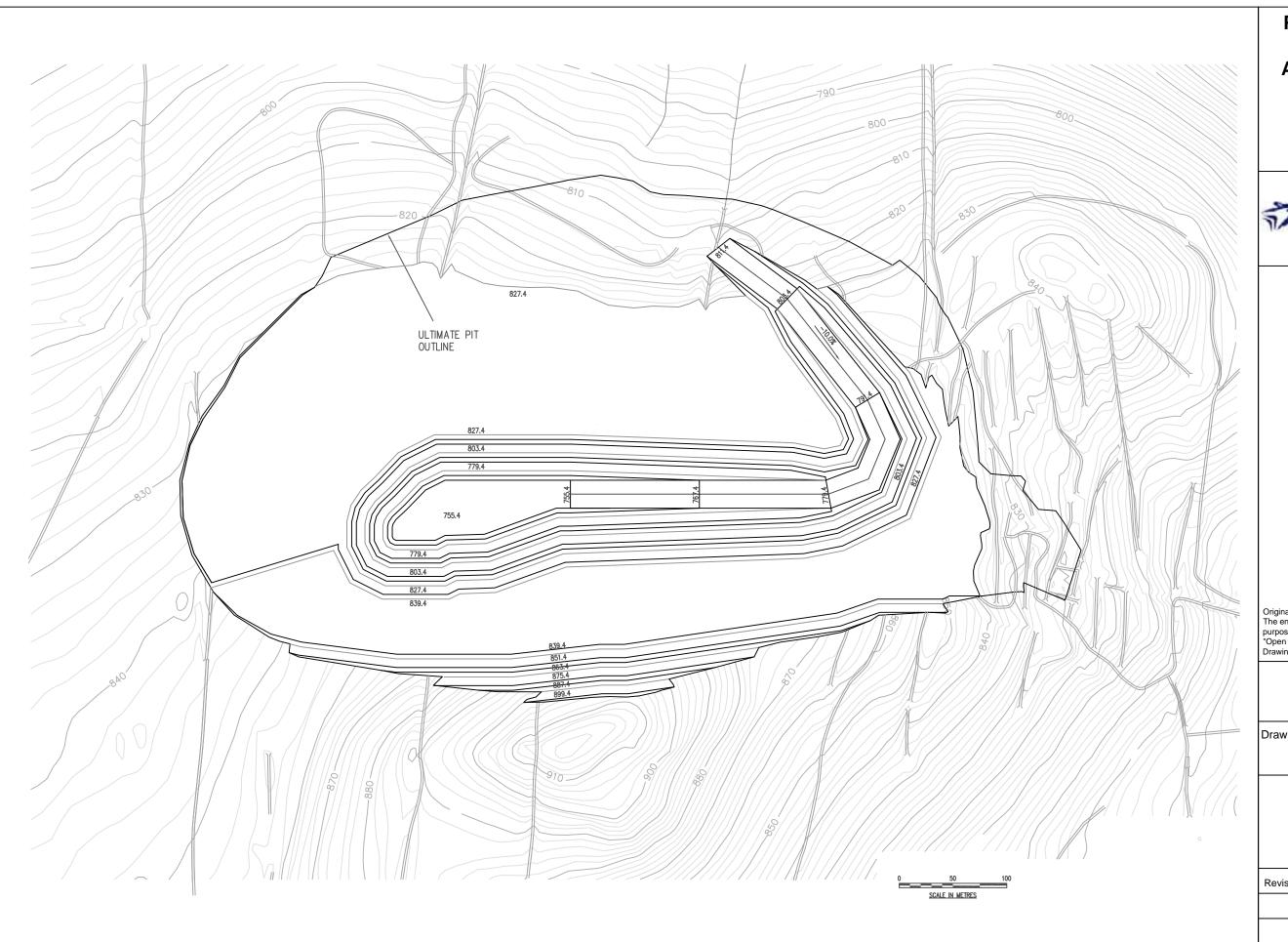
Date: Feb. 1, 2005

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Open Pit Plan End of Year 2

Drawing Number:

800-05-14

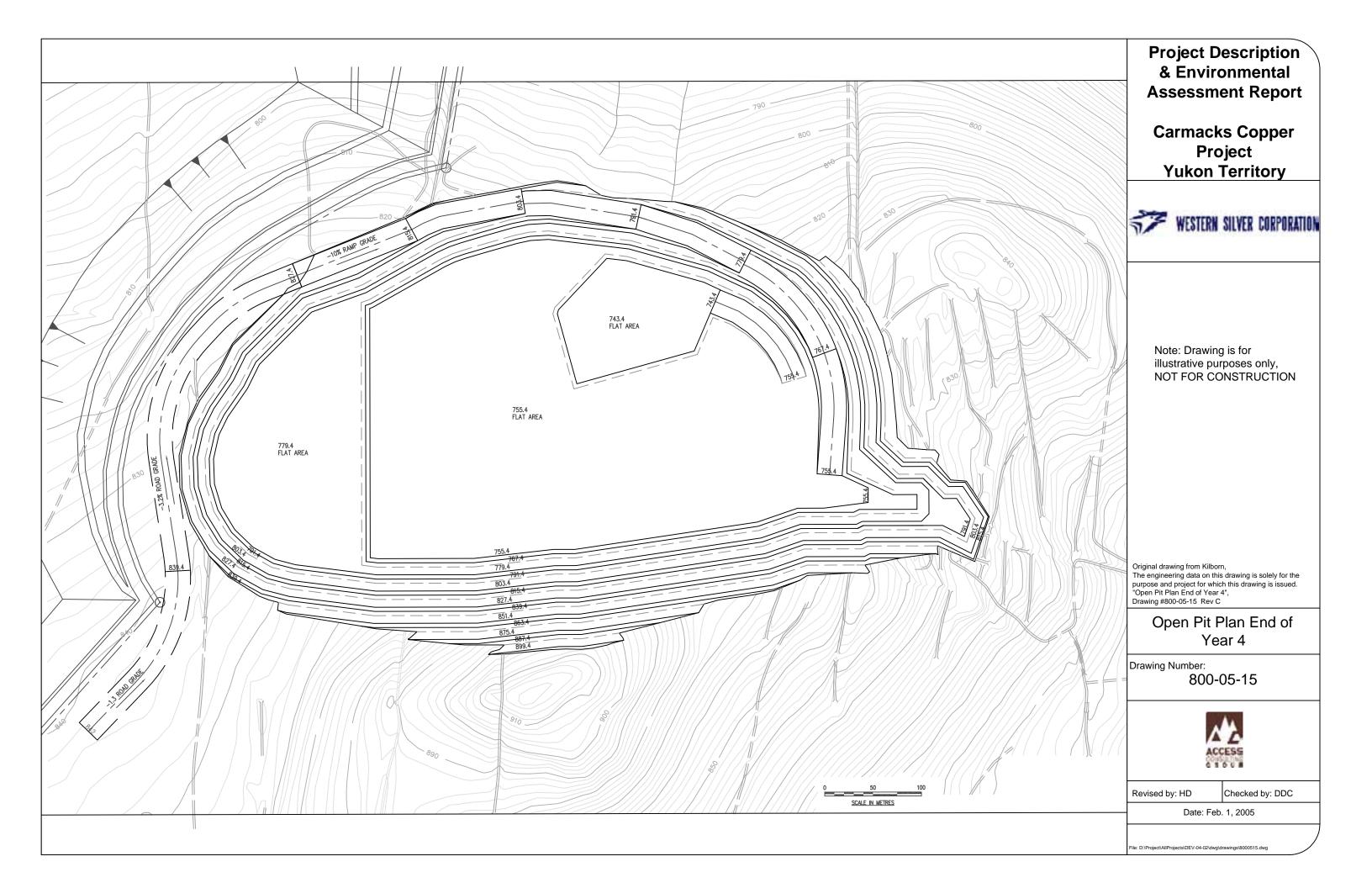


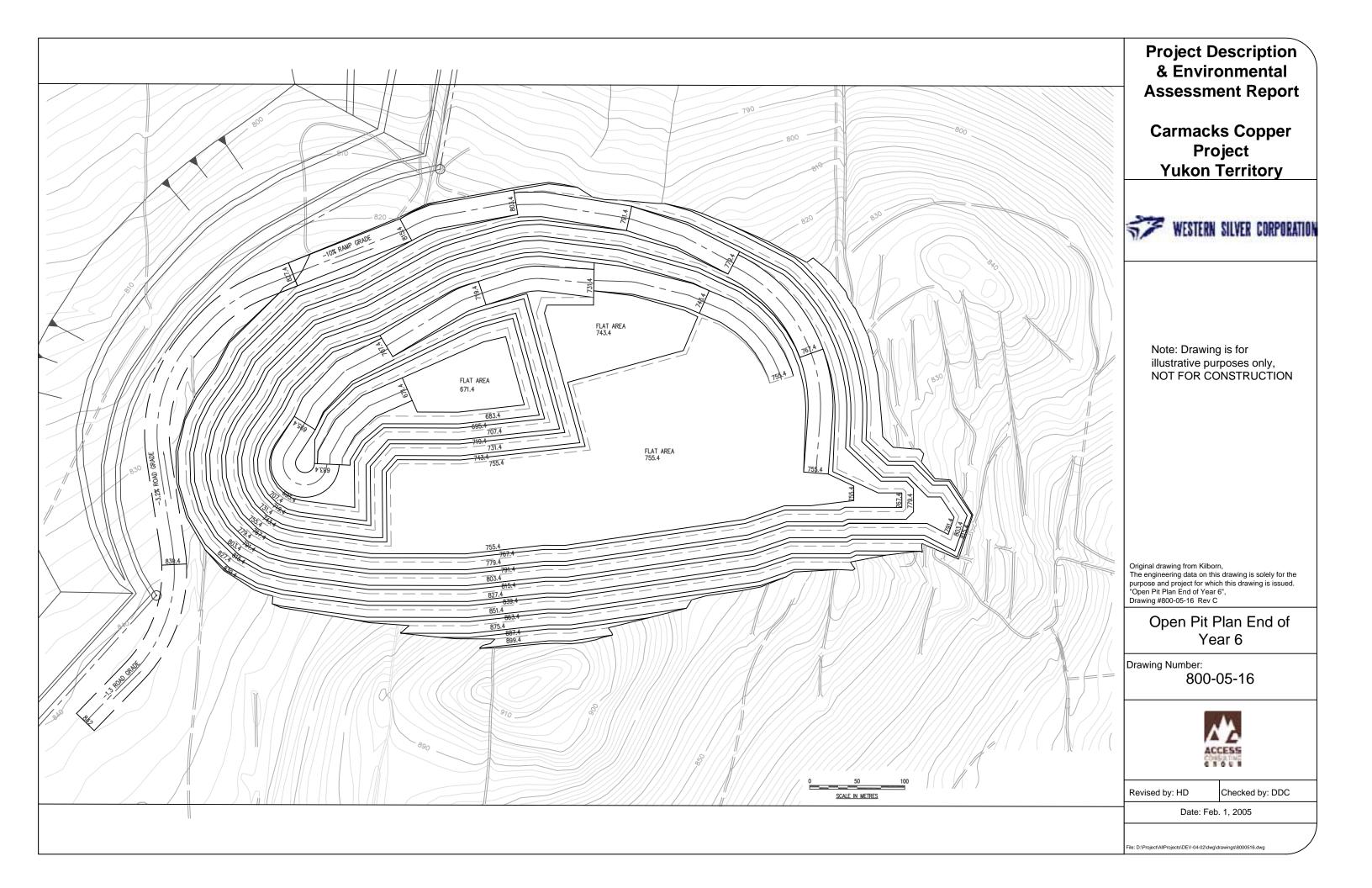
Revised by: HD

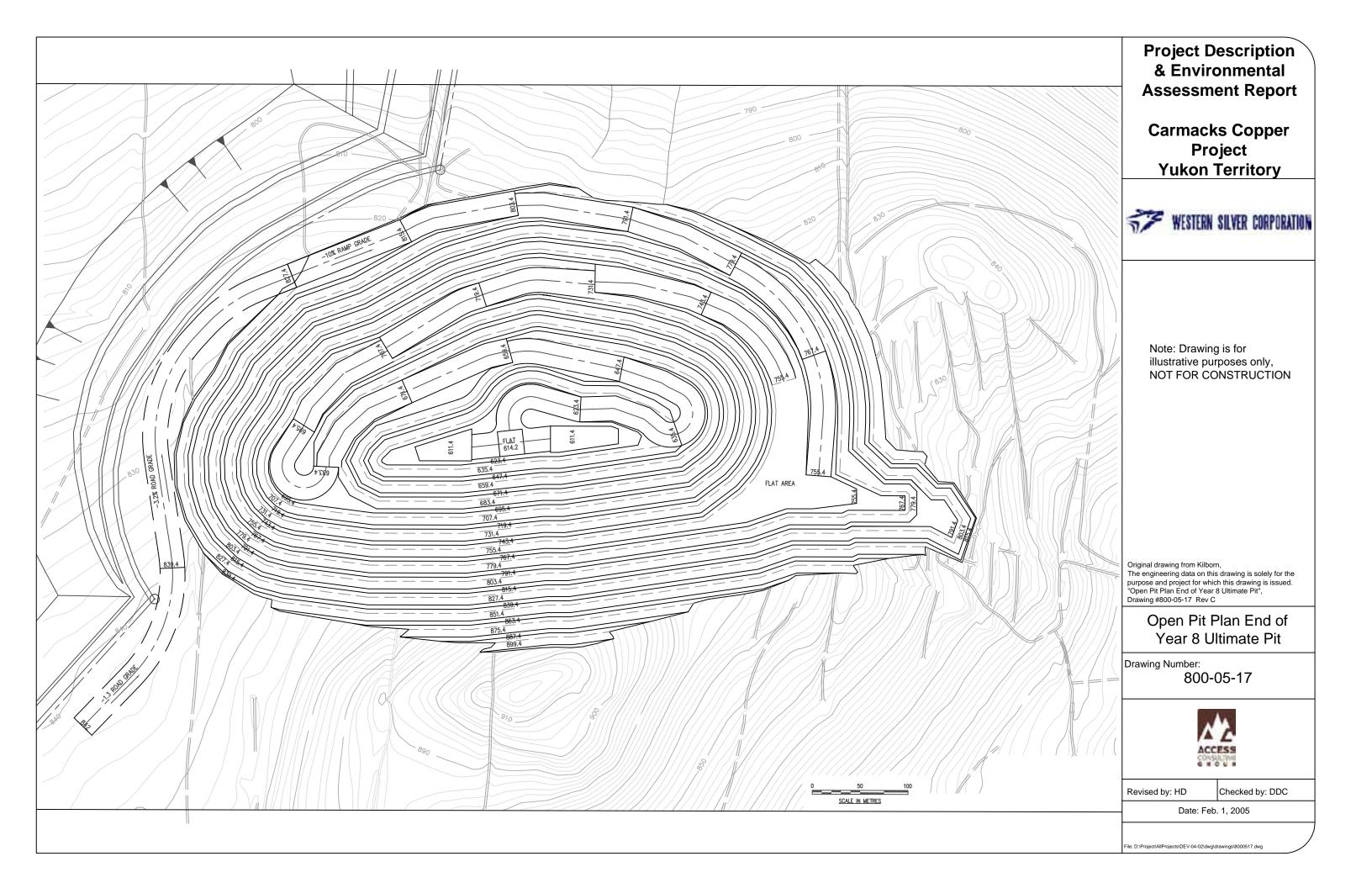
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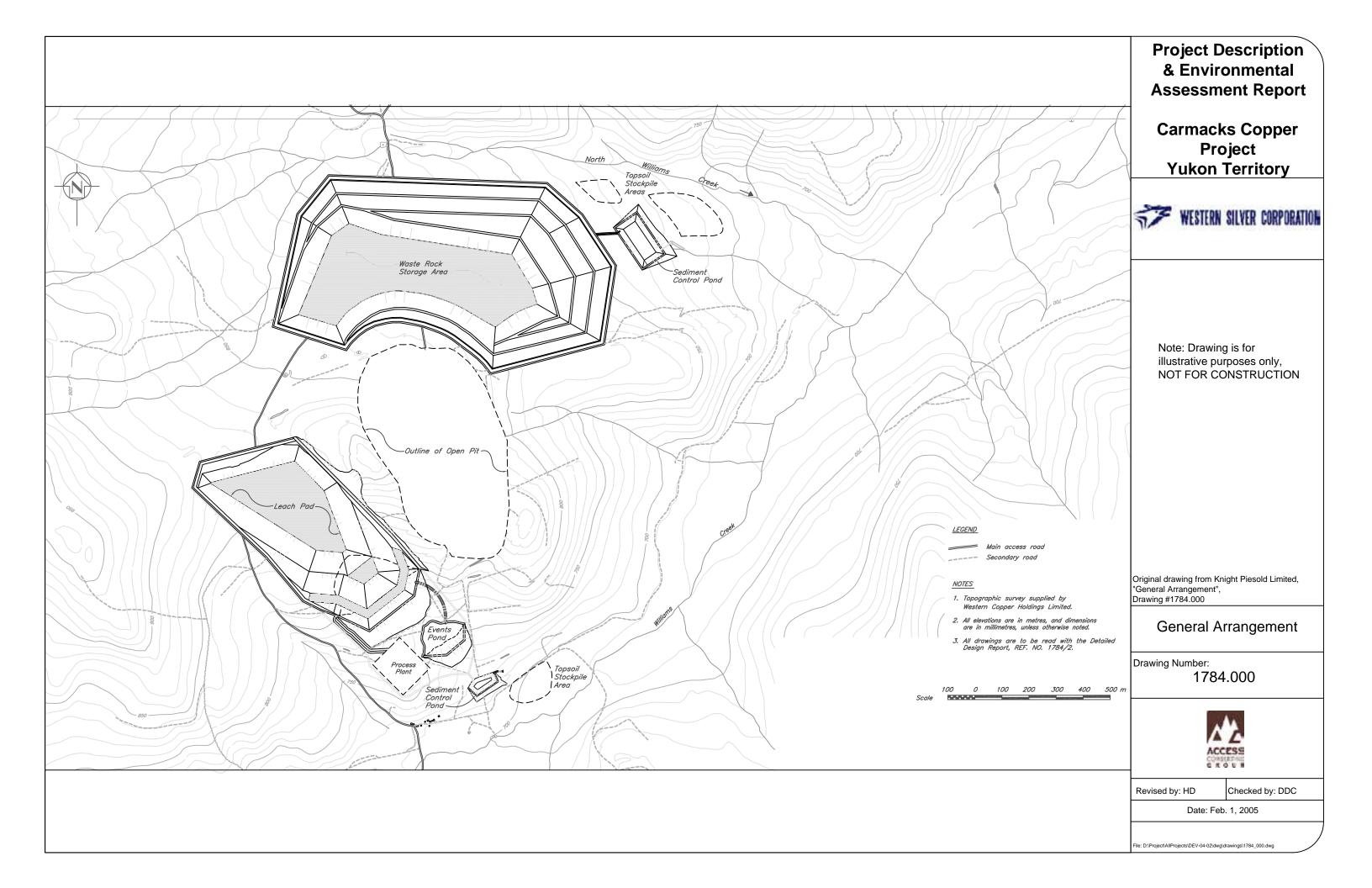
Date: Feb. 1, 2005

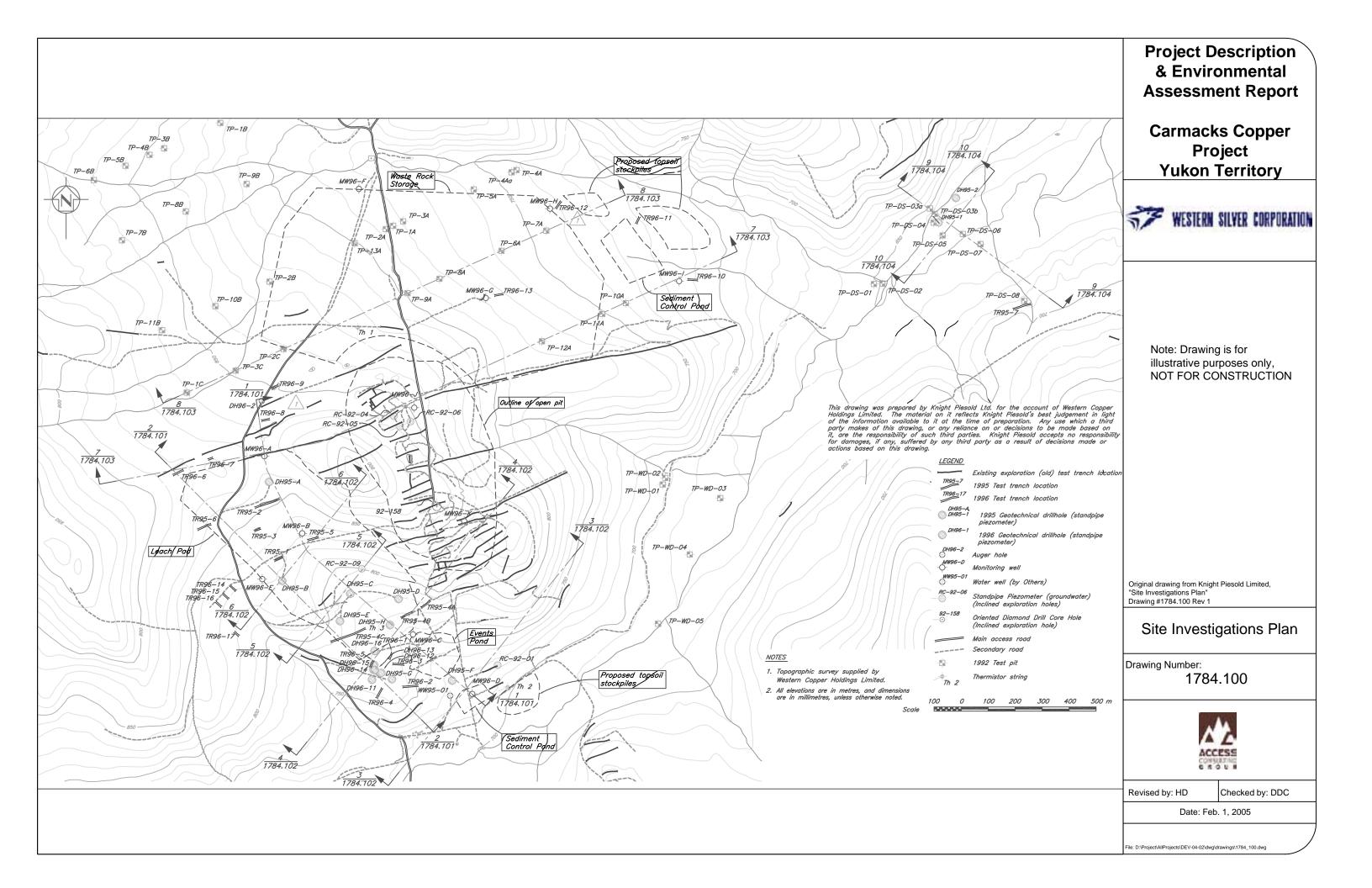
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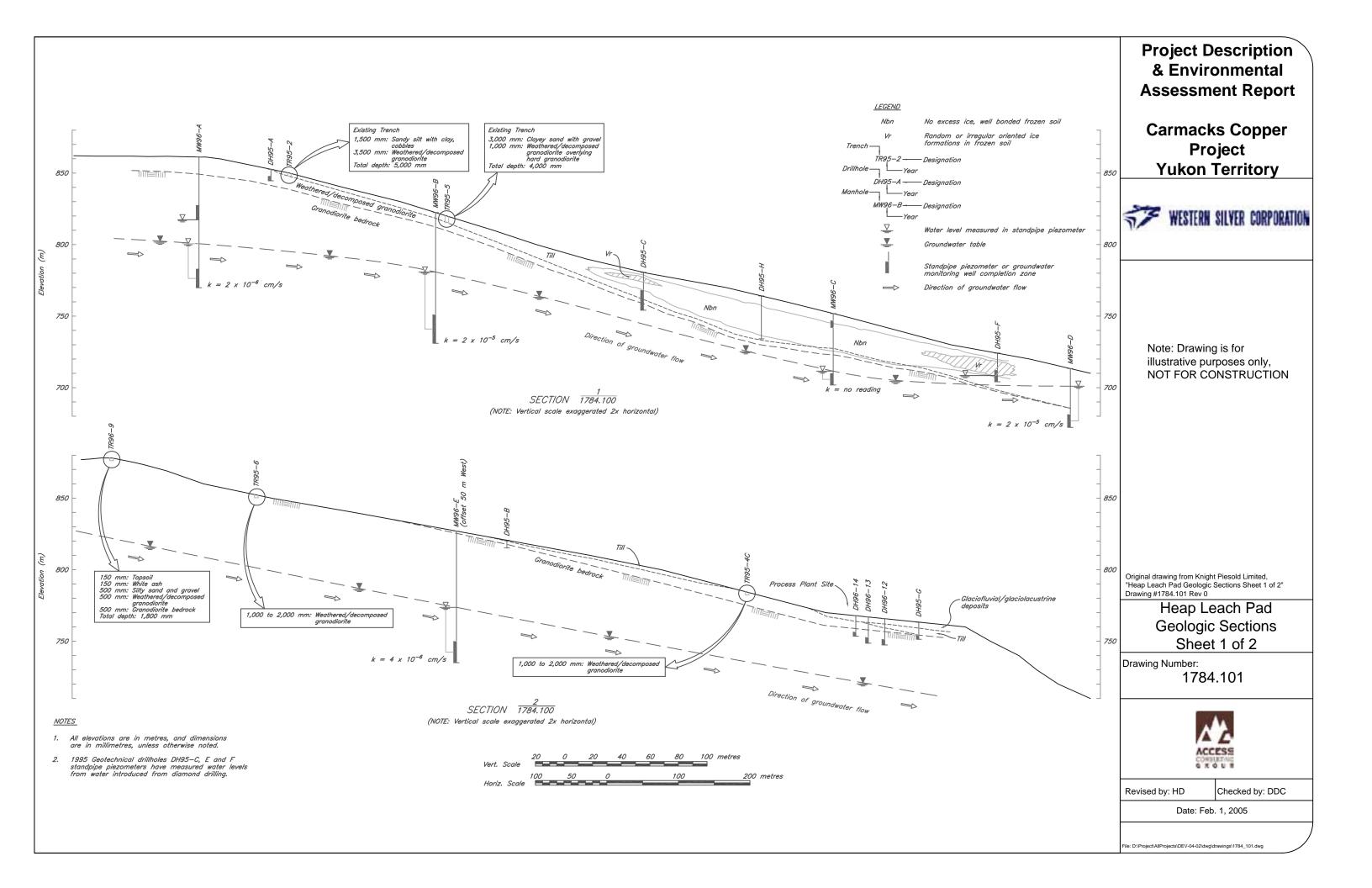


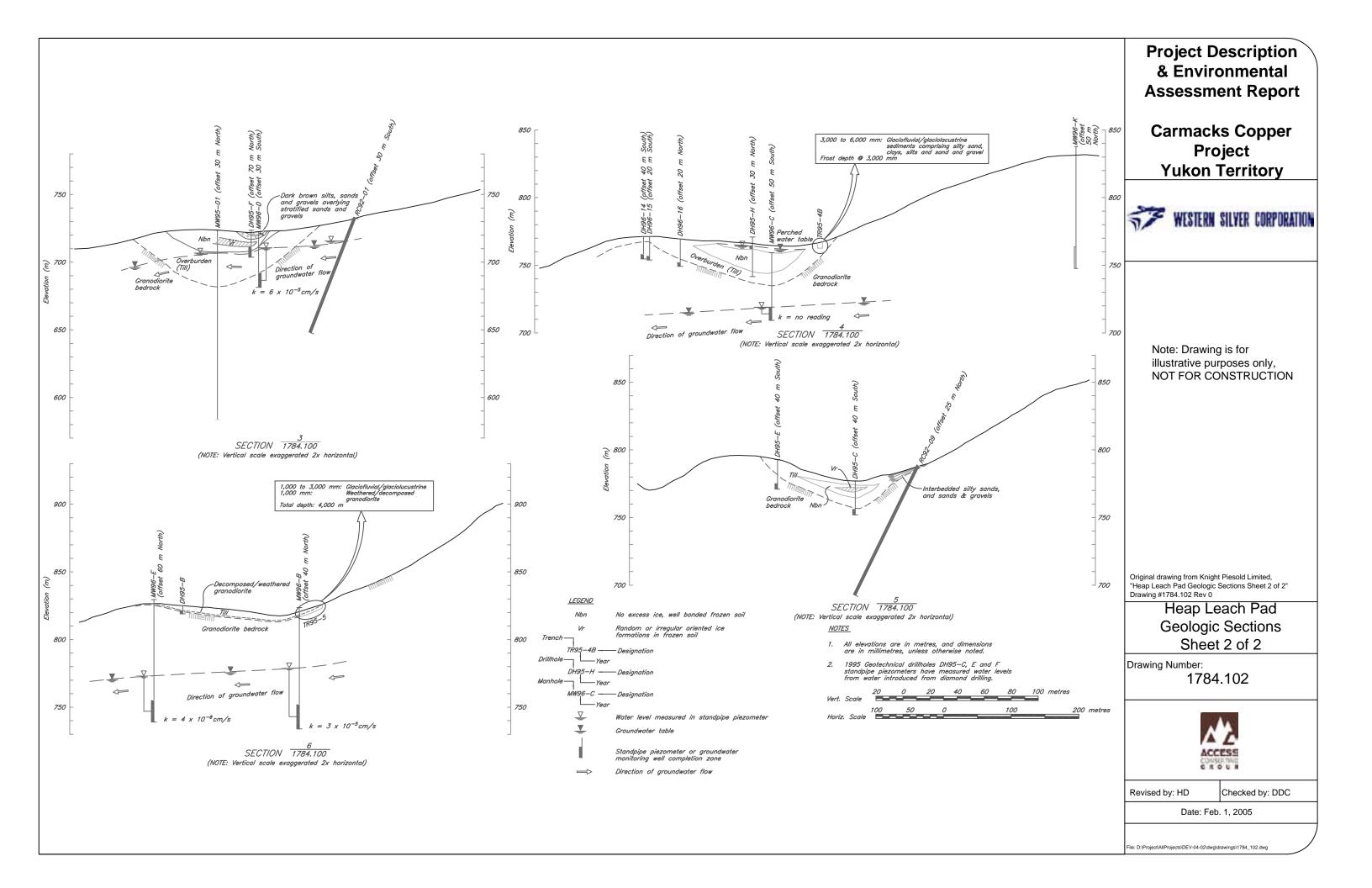


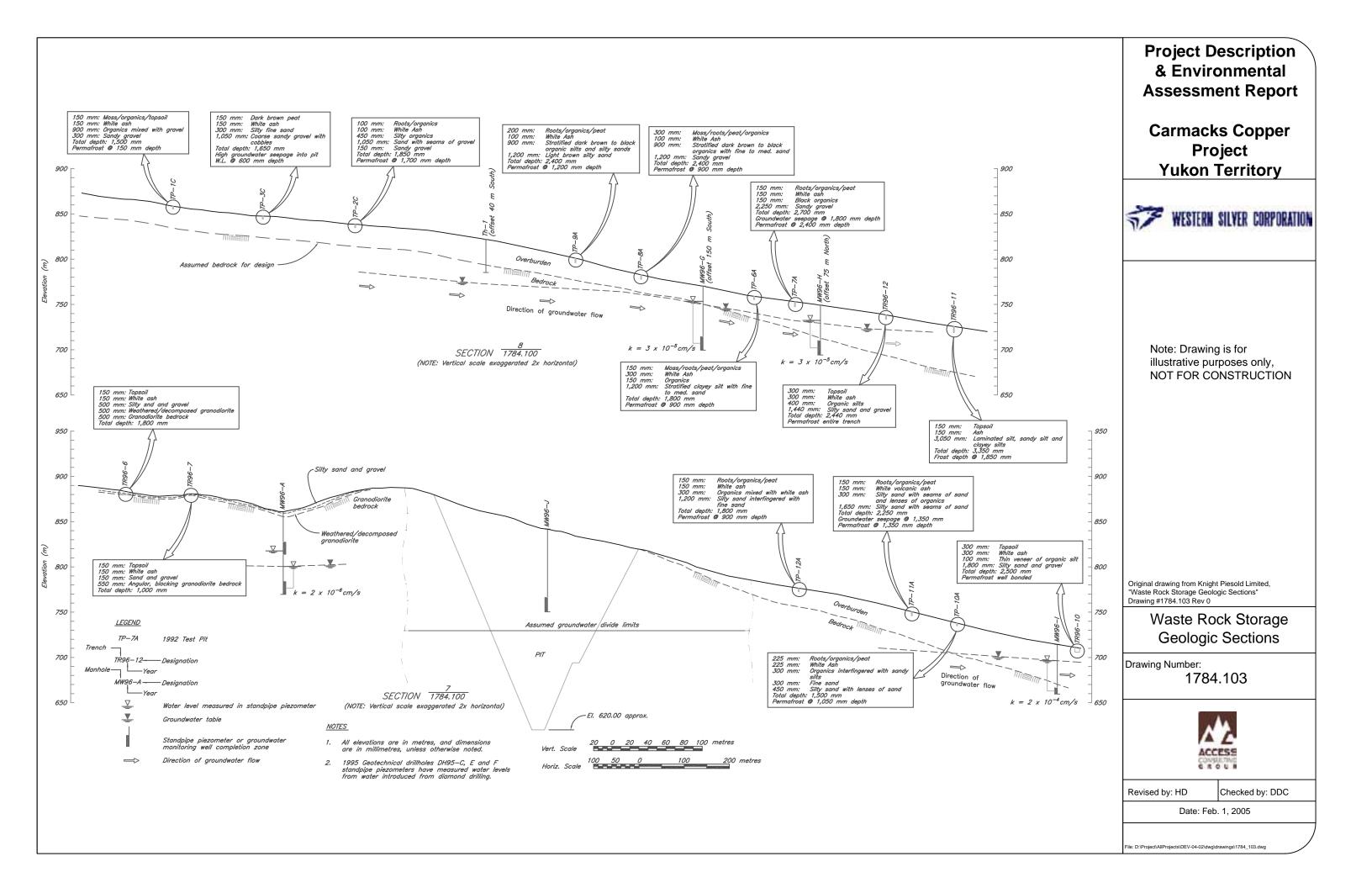


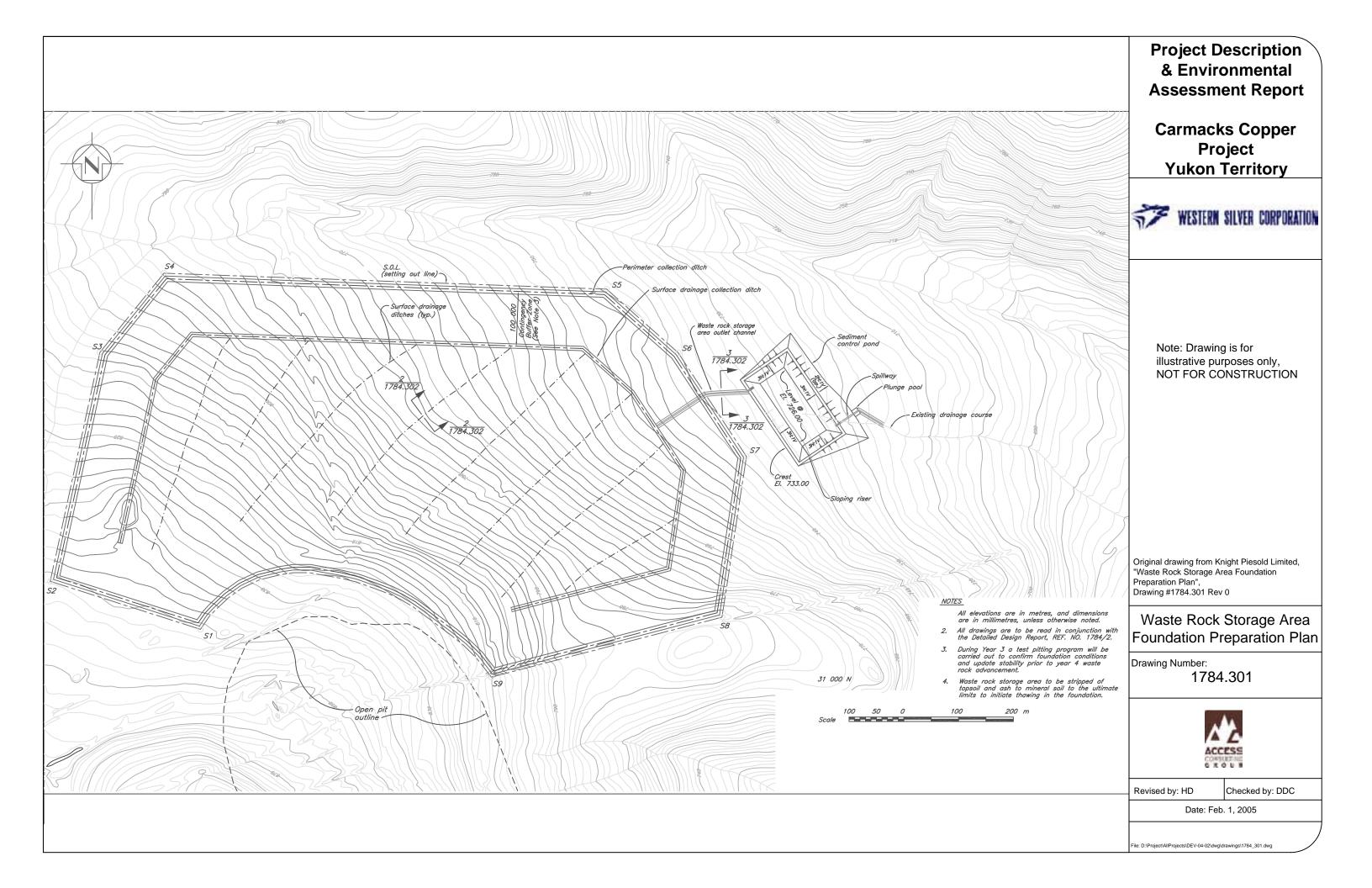


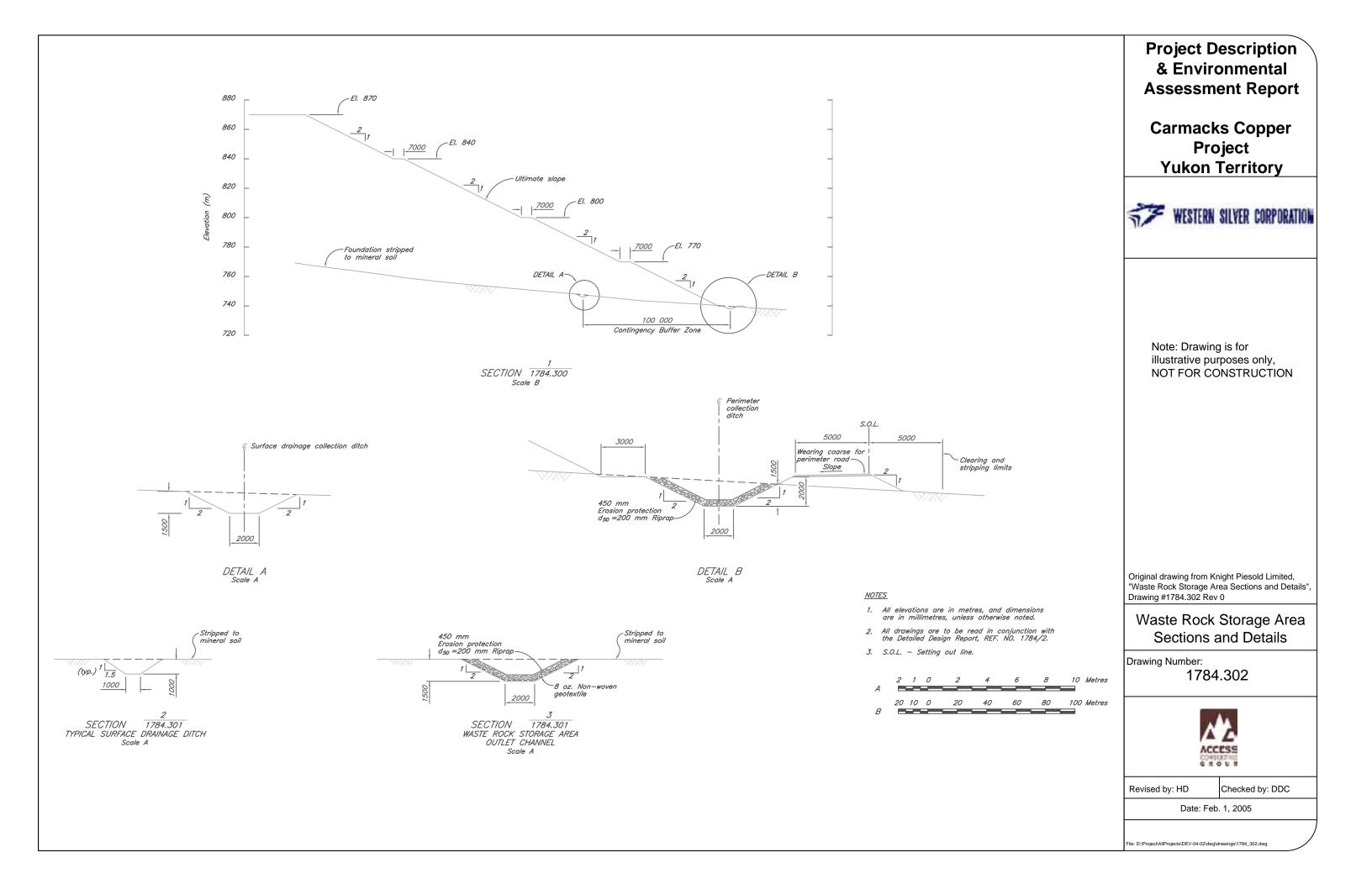


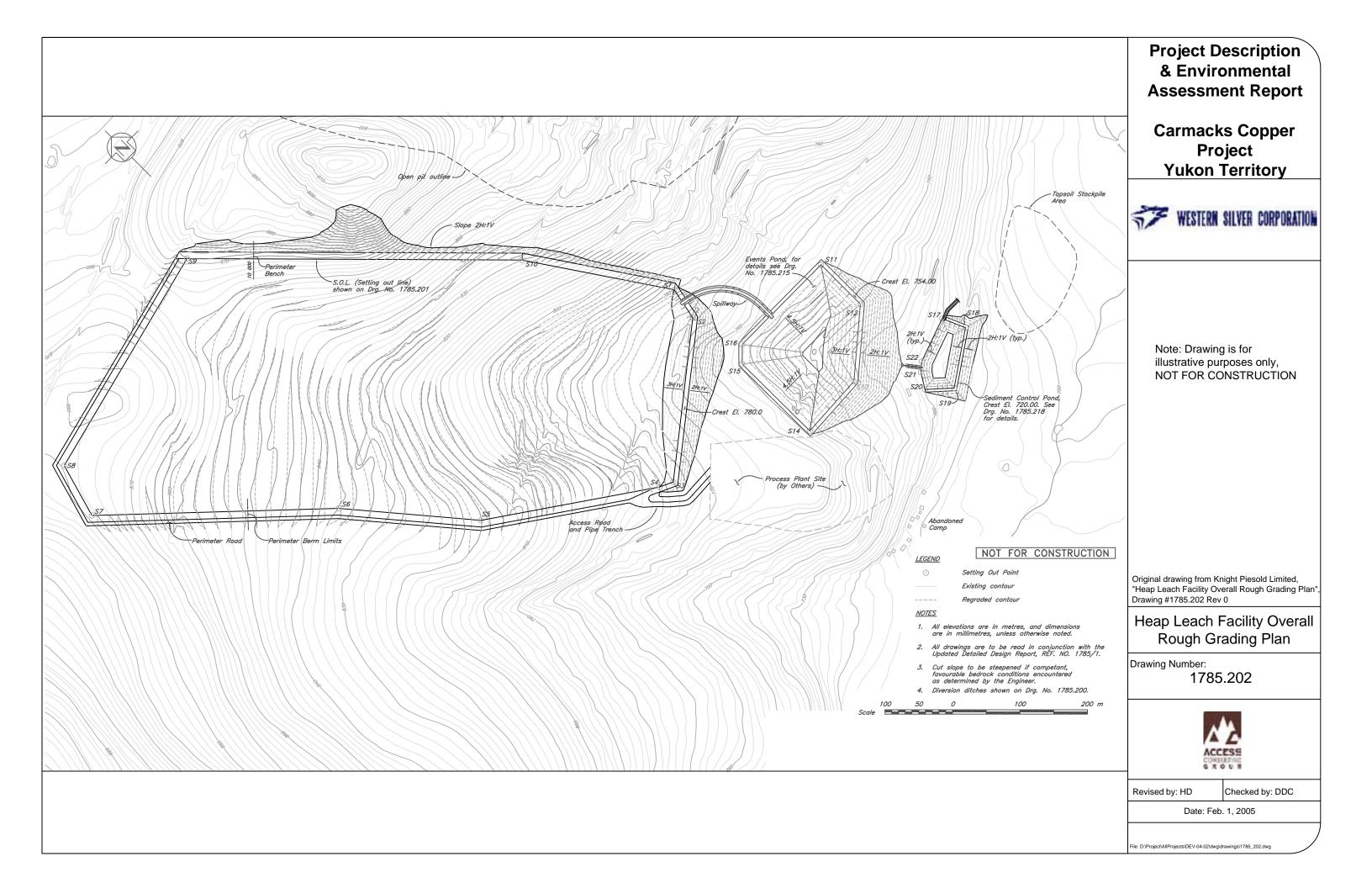


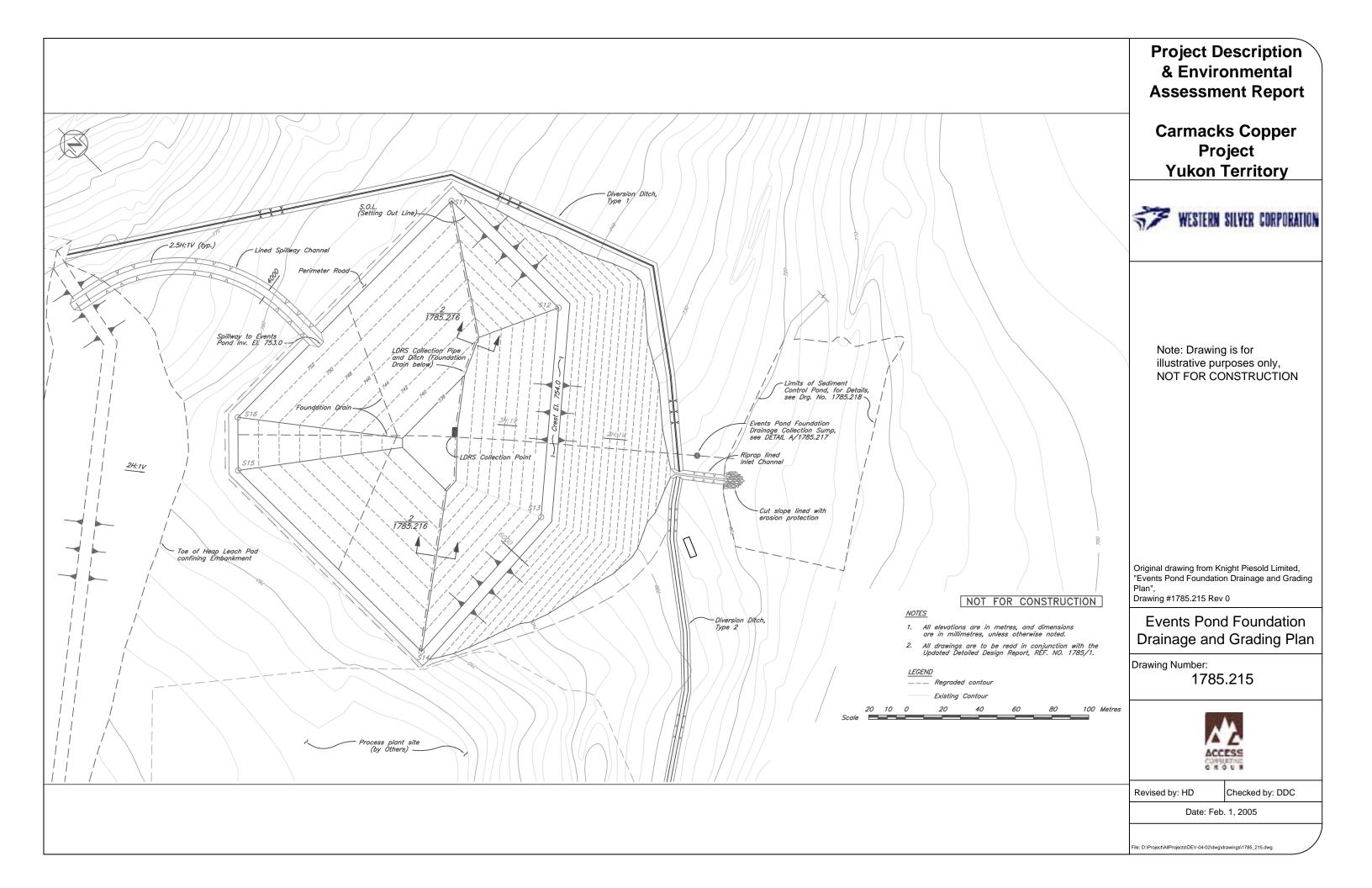


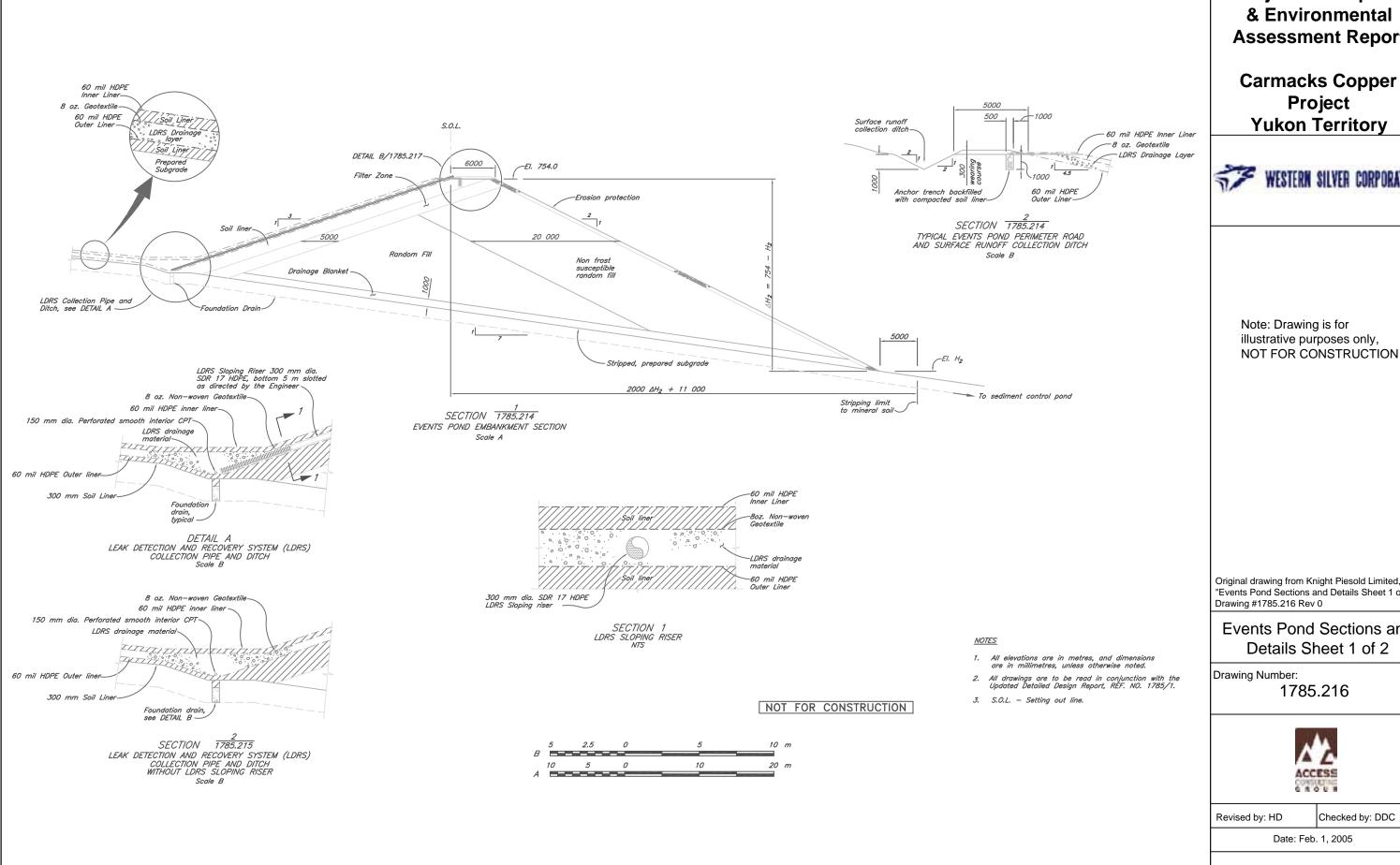












Project Description & Environmental **Assessment Report**

Yukon Territory



NOT FOR CONSTRUCTION

Original drawing from Knight Piesold Limited, "Events Pond Sections and Details Sheet 1 of 2", Drawing #1785.216 Rev 0

Events Pond Sections and

File: D:\Project\AllProjects\DEV-04-02\dwg\drawings\1785_216.dwg

-Small insulated hut by Others Matching precast lid or approved equivalent Precast 1800 I.D. concrete manhole c/w step irons, as supplied by Ocean cement or approved equivalent 150 mm dia. Solid smooth interior CPT — 150 mm dia. Solid smooth interior CPT Sump from Heap Leach Pad Outlet to Events Pond. LDRS Sloping Riser Sump from Events Pond Outlet to Sediment Pond LDRS Drainage Layer-60 mil HDPE Outer Liner Precast manhole sections set into 300 thick base slab (approx. 2500 x 2500) Reinforcement 15M © 200 both ways —

DETAIL 1785.203 , 1785.215

TYPICAL FOUNDATION DRAINAGE SUMP

Scale A

HDPE boot-Submersible pump to be placed in LDRS pipe LDRS sloping riser 300 mm dia. SDR 17 HDPE-LDRS SLOPING RISER TERMINATION S.O.L. 5000 1000 1000 500 60 mil HDPE Inner Liner-8 oz. Geotextile - Erosion protection Cobbles and Boulders Anchor Trench backfill

DETAIL 1785.216

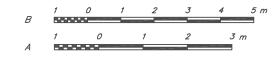
EVENTS POND EMBANKMENT CREST

Scale B

<u>NOTES</u>

Removable cap.

- 1. All elevations are in metres, and dimensions are in millimetres, unless otherwise noted.
- All drawings are to be read in conjunction with the Updated Detailed Design Report, REF. NO. 1785/1.
- 3. S.O.L. Setting out line.



Project Description & Environmental **Assessment Report**

Carmacks Copper Project Yukon Territory



Note: Drawing is for illustrative purposes only, NOT FOR CONSTRUCTION

Original drawing from Knight Piesold Limited, "Events Pond Sections and Details Sheet 2 of 2", Drawing #1785.217 Rev 0

Events Pond Sections and Details Sheet 2 of 2

Drawing Number:

1785.217



Revised by: HD

Checked by: DDC

Date: Feb. 1, 2005

File: D:\Project\AllProjects\DEV-04-02\dwg\drawings\1785_217.dwg

NOT FOR CONSTRUCTION

To creek: Alignment to be determined in the Field by the Engineer 29 900 N 12H. IV 29 800 N PLAN Scale A 730 t S.O.L. S.O.L. Existina around profile Sand and Gravel Dyke (see Note 3) Crest El. 720.00

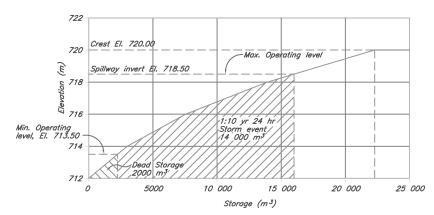
SECTION 1

SEDIMENT CONTROL POND Scale B

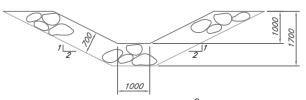
Limit of stripping to mineral soil

700

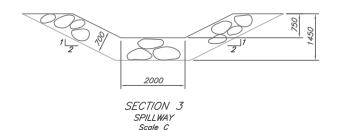
Excavation of Pond



SEDIMENT CONTROL POND DEPTH/CAPACITY RELATIONSHIP



SECTION 2, SECTION 1785.214
RIPRAP LINED INLET CHANNEL



NOT FOR CONSTRUCTION

10 5 0 10 20 30

- All elevations are in metres, and dimensions
- All drawings are to be read in conjunction with the Updated Detailed Design Report, REF. NO. 1785/1.
- Dyke to be constructed from locally derived granular sand and gravel or rockfill, raked towards the downstream slope in increasing lift thickness. Oversize particles to be moved downslope until less than 3/4 the lift thickness. Compaction with a vibratory smooth drum compactor.
- 4. For Setting Out Point coordinates, see Drg. 1785.201.

Setting Out Point (S.O.P.)

S.O.L. Setting Out Line.

Assessment Report Carmacks Copper

Project Description & Environmental

Project Yukon Territory



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Original drawing from Knight Piesold Limited, "Sediment Control Pond Plan, Sections and Details", Drawing #1785.218 Rev 0

Sediment Control Pond Plan, Sections and Details

Drawing Number: 1785.218



Revised by: HD

Checked by: DDC

Date: Feb. 1, 2005

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5000

