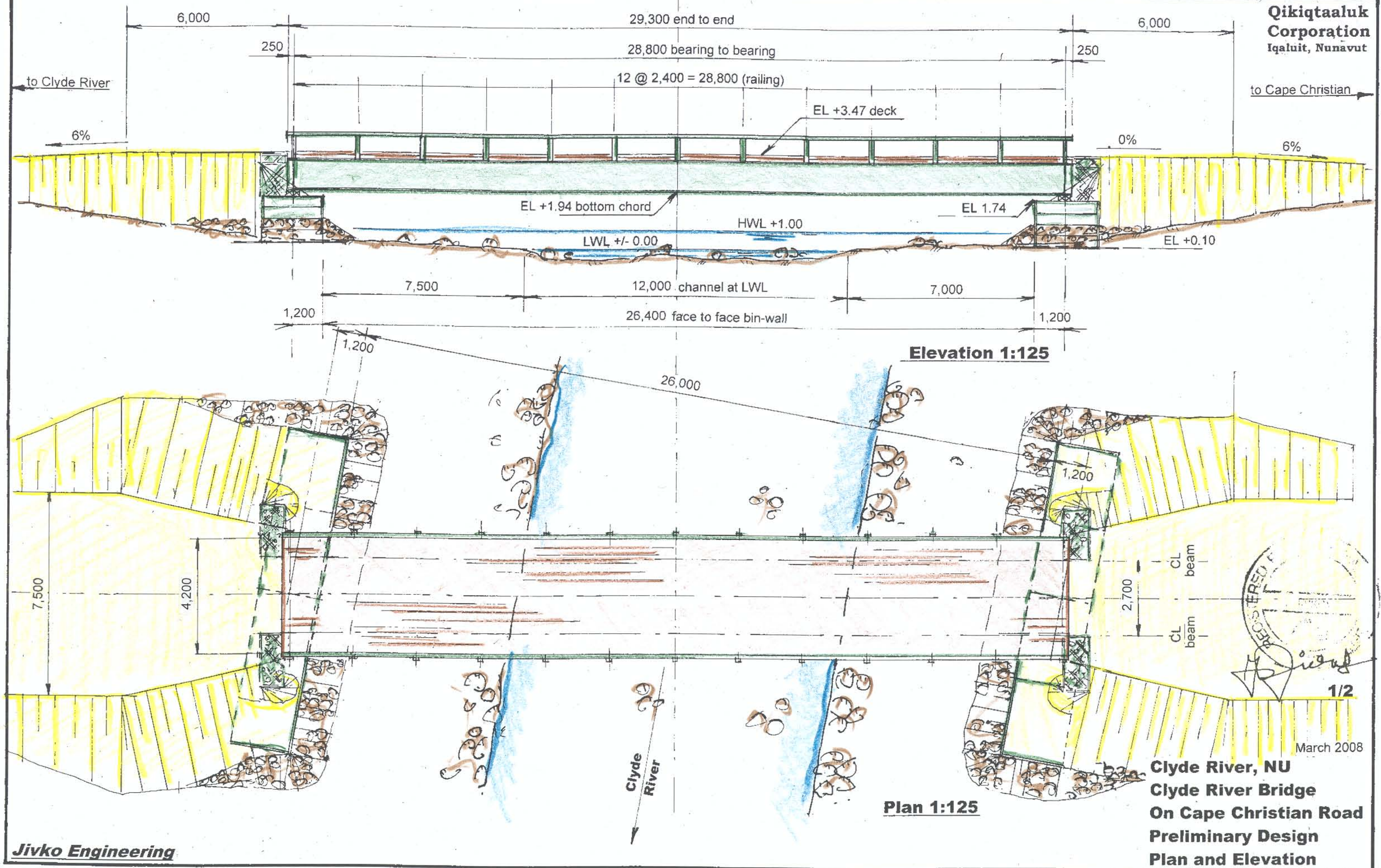




March 2008

Clyde River, NU
Clyde River Bridge
On Cape Christian Road
Preliminary Design
Plan and Elevation

Note: Bridge Rail to be hot dip galvanised

Rail: HSS 100 x 200 x 4.8

Post: HSS 150 x 150 x 4.8

4,200
Deck Width
2,700

750

750

EL 3.47
deck

700

Gabion Baskets

Top: 2.0m x 1.0m x 0.5m -4req'd

Bottom: 2.0m x 1.0m x 1.0m -4req'd

EL 1.74
top binwall

4 @ 3,000 = 12,000

EL +0.10
base

Abutment Elevation, 1:50

Note:

Timber for deck to be Douglas Fir Grade 2 or better
Creosote pressure treated to CN Standards

**Qikiqtaaluk
Corporation**
Iqaluit, Nunavut

Runners 3" x 12"

130 @ 12' = 4,680 bdf

Sleepers 8" x 10"

84 @ 14' = 7840 bdf

2,400

250

Road Gravel

1,200

200

1,728

1.5

1.0

Structural Backfill

1,400

1,200

2,347

Geotextile
Non-woven

Riprap
100% < 900 mm
60% > 600 mm
80% > 200 mm

Abutment Cross-section 1:50

Armtec Bin-wall Design "B"

1,350

CL Bin-wall

2,700/2

3

3

3

3

4

4

4

4

4

Bearing Point

238

238

1,200

962

Top Trim
on front and sides

CL Bridge

Skew 10°

Plan of Bin Wall Foundation 1:50

tg 10° = 0.1764
sin 10° = 0.1736
cos 10° = 0.9848

Jivko Engineering



2/2

March 2008

**Clyde River, NU
Clyde River Bridge
On Cape Christian Road
Preliminary Design
Deck and Abutment Detail**