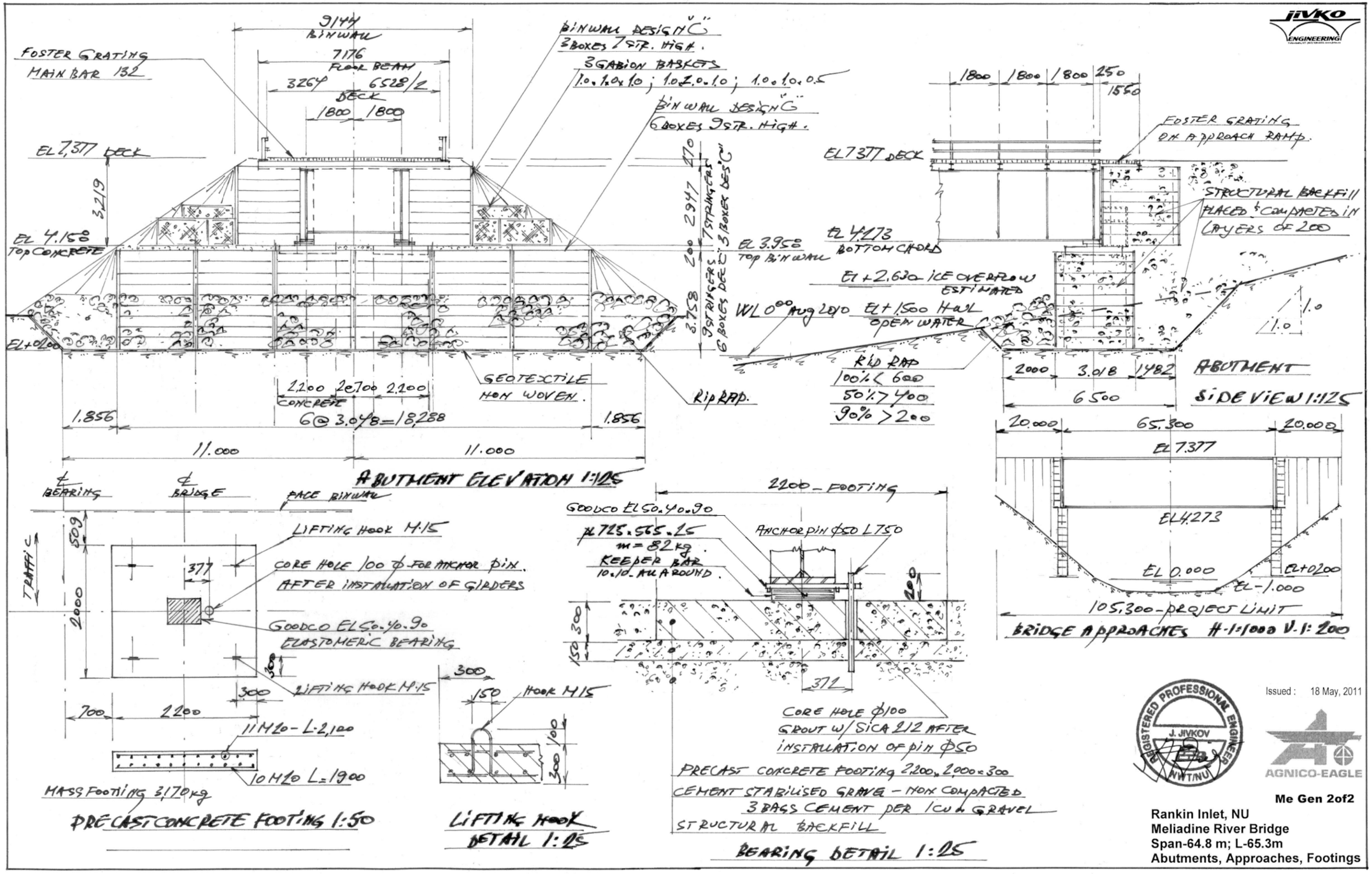
JIVKO ENGINEERING
9144 BINWALL
7176 FLOOR BEAM
3264 6528/2 DECK
1800 1800
FOSTER GRATING MAIN BAR 132
BINWALL DESIGN "C" 3 BOXES 7 STR. HIGH.
3 GABION BASKETS 1.0x1.0x1.0 ; 1.0x1.0x1.0 ; 1.0x1.0x0.5
BINWALL DESIGN "C" 6 BOXES 9 STR. HIGH.
EL 7.377 DECK
3.219
EL 4.158 TOP CONCRETE
EL 3.958 TOP BIN WALL
EL 4.173 BOTTOM CHORD
EL +2.630 ICE OVERFLOW ESTIMATED
WL 0.00 Aug 2010
EL +1.500 HWL OPEN WATER
EL+0.00
7 STRINGERS 3 BOXES DEEP
9 STRINGERS 6 BOXES DEEP
2.200 2.700 2.200 CONCRETE
GEOTEXTILE NON WOVEN.
RIP RAP.
RIP RAP
100% < 600
50% > 400
90% > 200
1.856
6 @ 3.048 = 18.288
11.000 11.000
ABUTMENT ELEVATION 1:125
1800 1800 1800 250 1550
FOSTER GRATING ON APPROACH RAMP.
STRUCTURAL BACKFILL PLACED & COMPACTED IN LAYERS OF 200
2000 3.018 1482
6500
ABUTMENT SIDE VIEW 1:125
20.000 65.300 20.000
EL 7.377
EL 4.273
EL 0.000
EL+0.200
EL -1.000
105.300 - PROJECT LIMIT
BRIDGE APPROACHES H-1:1000 V-1:200
℄ BEARING
℄ BRIDGE
FACE BINWALL
TRAFFIC
509
2000
377
LIFTING HOOK M15
CORE HOLE 100 ϕ FOR ANCHOR PIN. AFTER INSTALLATION OF GIRDERS
GOODCO EL 50.40.90 ELASTOMERIC BEARING
300
LIFTING HOOK M15
700 2200
11 M20 - L 2.100
10 M20 L = 1900
MASS FOOTING 3170 kg
PRECAST CONCRETE FOOTING 1:50
300 150 HOOK M15
100 300
LIFTING HOOK DETAIL 1:25
2200 - FOOTING
GOODCO EL 50.40.90
PL 725.565.25
m = 82 kg
KEEPER BAR 10.10. ALL AROUND.
ANCHOR PIN ϕ50 L750
200
150 300
372
CORE HOLE ϕ100 GROUT W/ SIKA 212 AFTER INSTALLATION OF PIN ϕ50
PRECAST CONCRETE FOOTING 2.200 x 2.000 x 300
CEMENT STABILISED GRAVEL - NON COMPACTED 3 BAGS CEMENT PER 1 cu.m. GRAVEL
STRUCTURAL BACKFILL
BEARING DETAIL 1:25
REGISTERED PROFESSIONAL ENGINEER J. JIVKOV NWT/NU
Issued : 18 May, 2011
AGNICO-EAGLE
Me Gen 2of2
Rankin Inlet, NU
Meliadine River Bridge
Span-64.8 m; L-65.3m
Abutments, Approaches, Footings