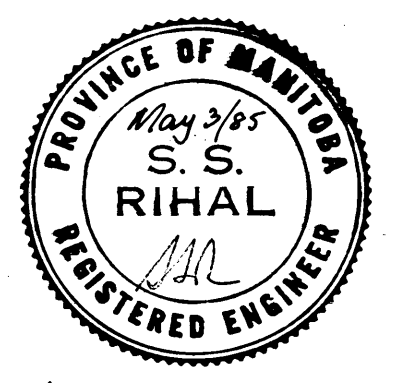
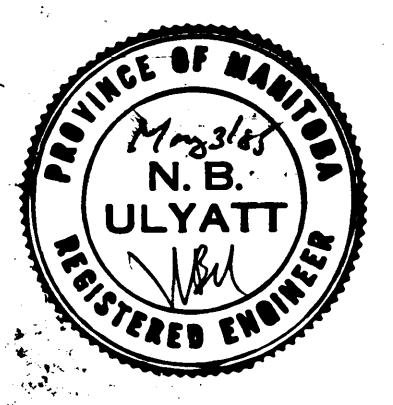


- NOTES**
- ALL ALUMINUM CHANNELS, POSTS AND BARS SHALL CONFORM TO ASTM B221, ALLOY 6061-T6 OR ALLOY 6351-T6.
 - PAINT UNDERSIDE OF POST SHIMS WITH 2 COATS OF ALKALI-RESISTANT BITUMINOUS PAINT MEETING THE REQUIREMENTS OF CGSB 31-GP-3M. EACH COAT TO BE 1mm IN THICKNESS.
 - ALL BOLTS, NUTS, WASHERS & MISC. HARDWARE SHALL BE STAINLESS STEEL TYPE 304.
 - POST ANCHORAGE SYSTEM SHALL BE STAINLESS STEEL ACROW - RICHMOND TYPE DGR-1 C/W TYPE 416 HI-TENSILE STAINLESS STEEL BOLTS AND WASHERS.
 - REMOVE EXISTING CONCRETE, ANCHOR BOLTS AND INSERTS WHERE REQUIRED TO INSTALL NEW ANCHORAGE SYSTEM.
 - USE A COMBINATION OF 1.5mm, 3.0mm OR 6.0mm ALUMINUM SHIMS AS REQUIRED TO SET POSTS VERTICAL TO THE SPECIFIED HEIGHT. A MINIMUM 3.0mm SHIM IS REQUIRED AT EACH POST.
 - VERIFY ALL DIMENSIONS AND BENDS REQUIRED IN RAIL SEATS BY FIELD MEASUREMENTS PRIOR TO FABRICATION.
 - ALL SLOTTED HOLES SHALL BE FINISHED SMOOTH AND TRUE.
 - THE M.I.C. PROCESS OF WELDING SHALL BE USED.

AS BUILT
APPROVED BY: *[Signature]*



DILLON
Consulting Engineers & Planners

DESIGNED BY: S.S.R. DRAWN BY: W.P.S.
CHECKED BY: N.B.U. DATE: MAY 85
APPROVED BY: *[Signature]* DATE: *[Signature]*

THE CITY OF WINNIPEG
WORKS & OPERATIONS DIVISION
STREETS & TRANSPORTATION DEPARTMENT

ROUTE 90 CULVERT AT OMAND'S CREEK TOP SLAB REHABILITATION, STRUCTURAL STRENGTHENING AND RELATED WORKS

LAYOUT & DETAILS OF ALUMINUM PEDESTRIAN HANDRAIL

AUTHORIZED BY: *[Signature]* DATE: 1985-05-03
ACCEPTED BY: *[Signature]* DATE: 1985-05-03
SCALE: 1:100 OR AS NOTED DRAWING NO: C315-85-06
M.M.D. 9439-01 FIELD BOOK NO. B-45-1

NO	REVISIONS	DATE	APP.	ENGINEER'S SEAL

B-5530-6