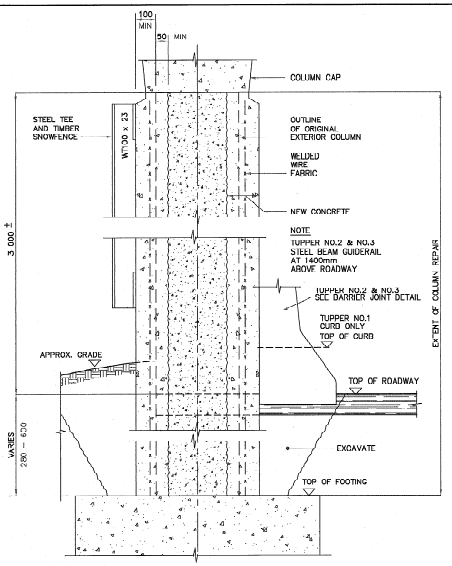
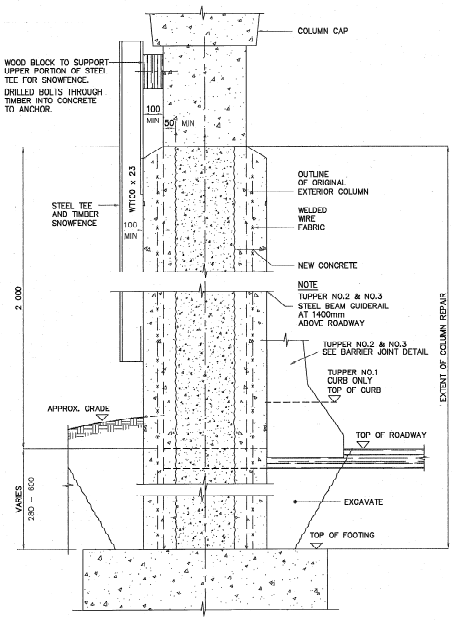


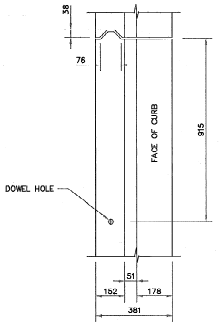
FULL HEIGHT COLUMN REPAIR
SCALE 1:10

NOTE
REPAIR COLUMN FROM TOP OF FOOTING TO UNDERSIDE OF COLUMN CAP AS FOLLOWS:
EXCAVATE AROUND COLUMN
SUPPORT TIE BEAM AND ROOF EACH SIDE OF COLUMN
REMOVE SNOW FENCE
CHIP OUT CONCRETE TO EXPOSE REINFORCING STEEL FULL PERIMETER.
PRESERVE AND CLEAN EXISTING REINFORCING STEEL
FULLY WRAP COLUMN WITH GALVANIZED WELDED WIRE FABRIC 152 x 152 MW13.3 x MW13.3 LAP WELDED WIRE FABRIC 200mm.
ENCASE COLUMN WITH FIBRE REINFORCED CONCRETE.
REPAIRED COLUMNS TO BE TREATED WITH A SURFACE SEALER ON ALL SIDES.
REPAIR AND REPLACE EXCAVATION, CURB, BARRIER, RAIL AND ASPHALT TO ORIGINAL CONDITION
MAINTAIN EXISTING CURB ALIGNMENT FOR TUPPER NO. 1
MAINTAIN EXISTING CURB ALIGNMENT FOR TUPPER NO. 2 THROUGH THE USE OF BLOCKOUT IN CONCRETE FORM. SEE "BLOCKOUT DETAIL" BELOW.
REINSTALL SNOWFENCE

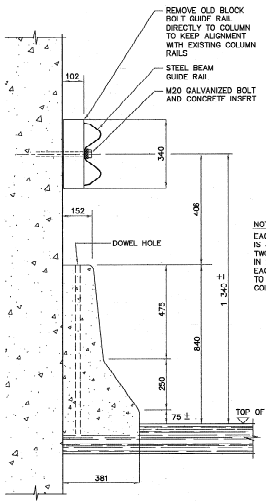


PARTIAL HEIGHT COLUMN REPAIR
SCALE 1:10

NOTE
REPAIR COLUMN FROM TOP OF FOOTING TO A HEIGHT OF TWO (2) METRES ABOVE EXISTING ROAD SURFACE AS FOLLOWS:
EXCAVATE AROUND COLUMN
SUPPORT TIE BEAM AND ROOF EACH SIDE OF COLUMN
REMOVE SNOW FENCE
CHIP OUT CONCRETE TO EXPOSE REINFORCING STEEL FULL PERIMETER.
PRESERVE AND CLEAN EXISTING REINFORCING STEEL
FULLY WRAP COLUMN WITH GALVANIZED WELDED WIRE FABRIC 152 x 152 MW13.3 x MW13.3 LAP WELDED WIRE FABRIC 200mm.
ENCASE COLUMN WITH FIBRE REINFORCED CONCRETE.
REPAIRED COLUMNS TO BE TREATED WITH A SURFACE SEALER ON ALL SIDES.
REPAIR AND REPLACE EXCAVATION, CURB, BARRIER, RAIL AND ASPHALT TO ORIGINAL CONDITION
MAINTAIN EXISTING CURB ALIGNMENT FOR TUPPER NO. 1
MAINTAIN EXISTING CURB ALIGNMENT FOR TUPPER NO. 2 THROUGH THE USE OF BLOCKOUT IN CONCRETE FORM. SEE "BLOCKOUT DETAIL" BELOW.
REINSTALL SNOWFENCE

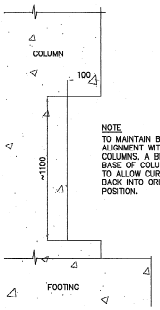


BARRIER JOINT PLAN
SCALE 1:10



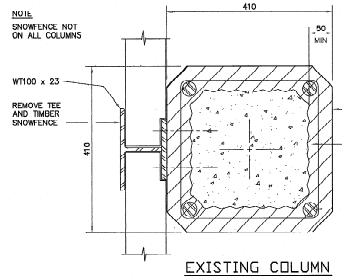
NOTE
EACH CURB SECTION IS 3658 mm LG. TWO VERTICAL DOWELS IN EACH SECTION. EACH SECTION IS ATTACHED TO CENTERLINE OF COLUMN WITH ONE BOLT.

BARRIER JOINT SECTION
SCALL 1:10



NOTE
TO MAINTAIN BARRIER ALIGNMENT WITH UNREPAIRED COLUMNS A BLOCKOUT AT BASE OF COLUMN WAS CREATED TO ALLOW CURB TO BE SLID BACK INTO ORIGINAL POSITION.

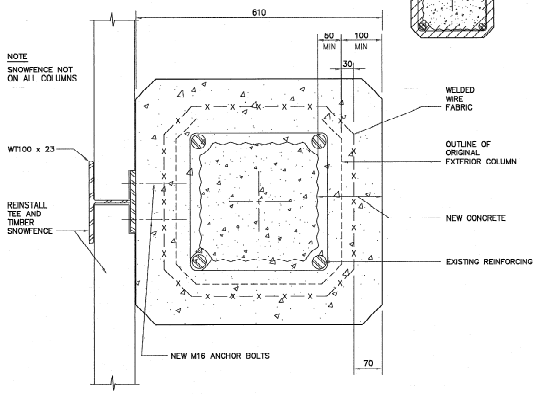
BLOCKOUT FOR CONCRETE BARRIER
NOT TO SCALE



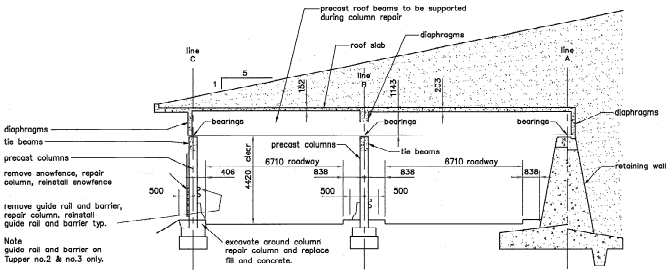
* WHERE STEEL WAS NOT CORRODED, DID NOT REMOVE CONCRETE BEHIND THE BARS. USUALLY THE TWO BARS ON EAST FACE WERE IN GOOD CONDITION.

EXISTING COLUMN
SCALE 1:5

MANY ACTUAL COLUMNS:



REPAIRED COLUMN
SCALE 1:5



SECTION
SCALE 1:100

NOTES

1. FOR GENERAL NOTES SEE DWG. NO. 1
2. FOR COLUMNS TO BE REPAIRED SEE SNOWSHED LAYOUT ON DRAWINGS NO. 1, 2 & 4

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

WESTERN REGION
RÉGION DE L'OUEST

ARCHITECTURAL AND ENGINEERING SERVICES
SERVICES D'ARCHITECTURE ET DE GÉNIE

revisions | date

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(AS CONSTRUCTED)
T.C.H. – GLACIER NATIONAL PARK – B.C.

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(AS CONSTRUCTED)

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modified: I.L. MYASON (94 12 16)
reviewed: K.K. SOOD
approved: G.S. HIPPERT
Tender
Project Manager

project no.: 669112
drawing no.: 3 of 5

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