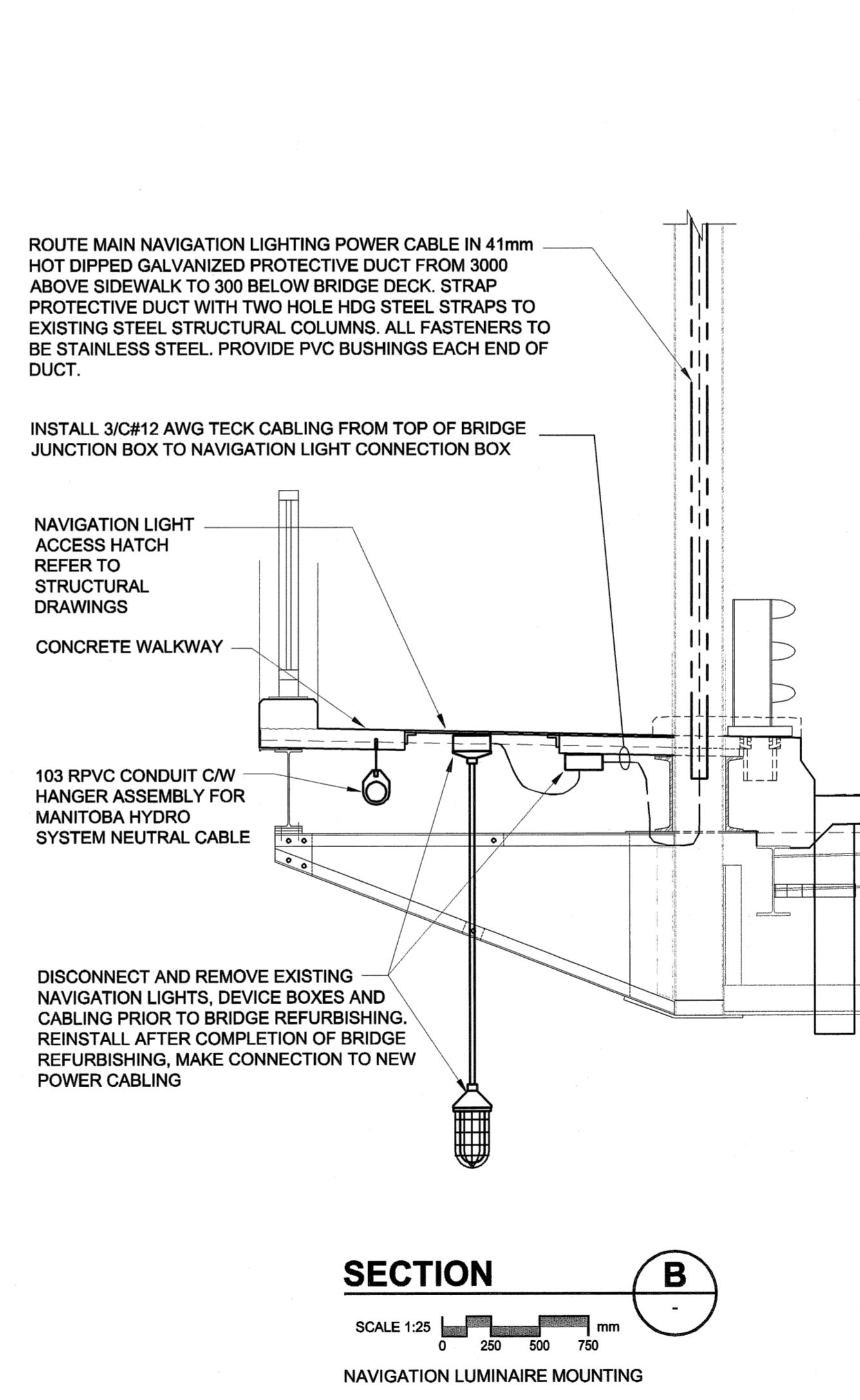
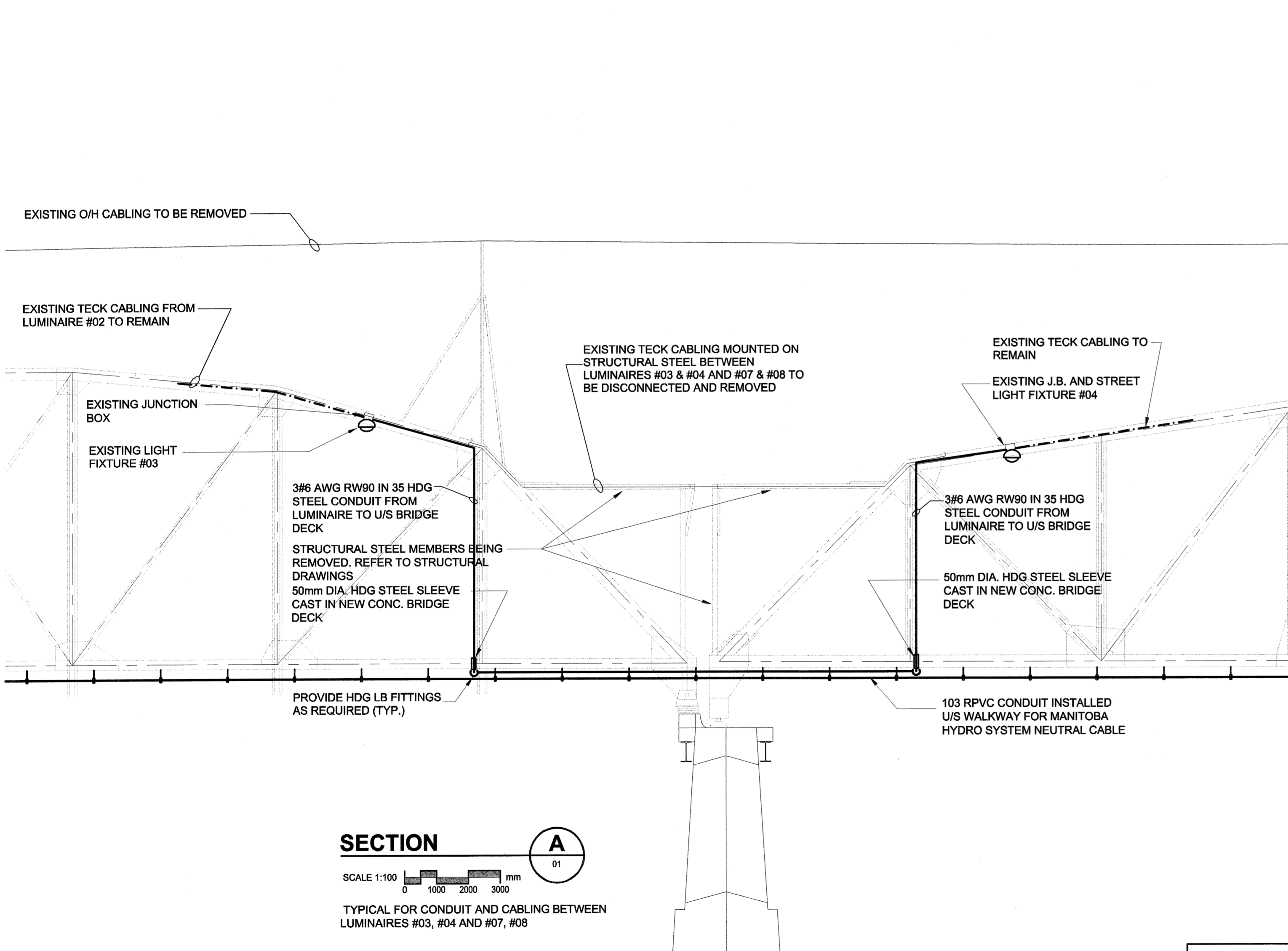
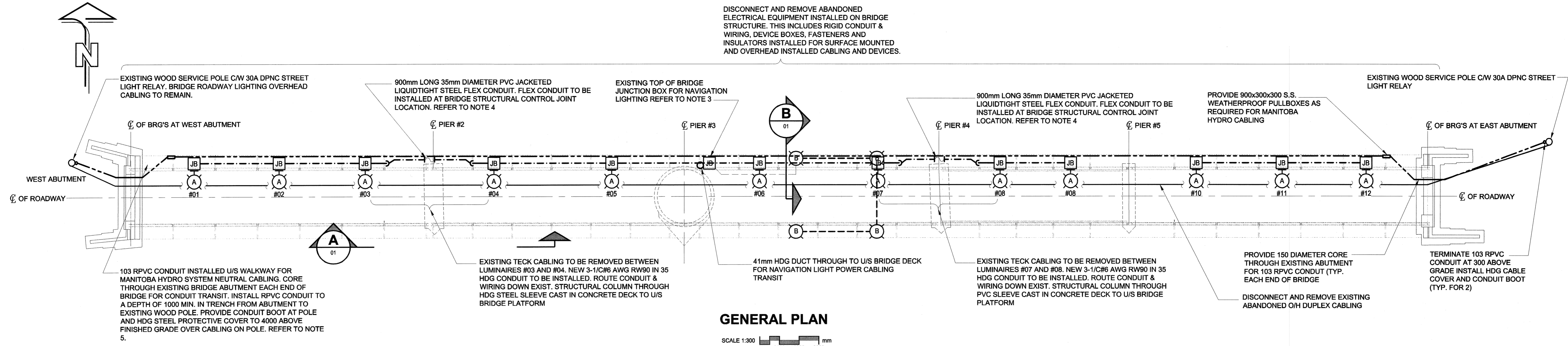


D SIZE 22" x 34" (559mm x 864mm)

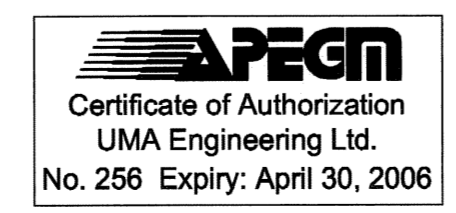


- LEGEND**
- EXISTING CABLING TYPE AND SIZE AS INDICATED ON FLOOR PLANS
 - CABLING OR WIRING IN HDG (HOT DIPPED GALVANIZED) CONDUIT INSTALLED U/S BRIDGE DECK
 - MANITOBA HYDRO SYSTEM NEUTRAL IN 103 RPVC CONDUIT
 - LIQUID TIGHT PVC JACKETED STEEL FLEX CONDUIT C/W WATERTIGHT CONNECTORS AT EACH END
 - EXISTING ROADWAY 150W COBRA HEAD STYLE LUMINAIRE
 - EXISTING 200x200x150 PVC JUNCTION BOX
 - EXISTING PENDANT MOUNTED WATERTIGHT 100W INCANDESCENT NAVIGATION LIGHTS MOUNTED U/S BRIDGE WALKWAYS

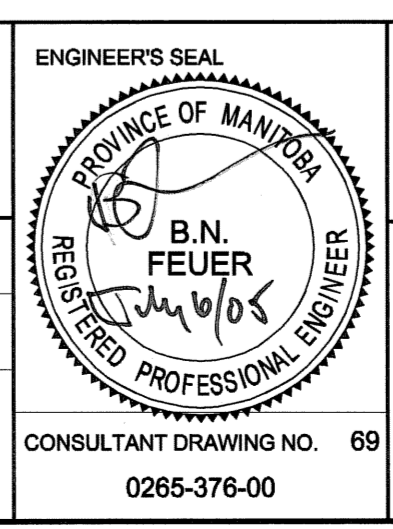
- ELECTRICAL NOTES**
1. ALL LUMINAIRES ARE EXISTING.
 2. ROADWAY LUMINAIRES TO REMAIN. EXISTING TECK CABLE TO BE REMOVED AS SHOWN. NEW CONDUIT AND WIRING TO BE INSTALLED AS SHOWN.
 3. NAVIGATION LIGHTING TO BE DISCONNECTED, REMOVED AND REINSTALLED U/S ACCESS HATCHES. REUSE EXISTING ELECTRICAL DEVICE BOXES. PROVIDE NEW 3/C#12 AWG 300V RATED TECK CABLE FOR ALL POWER SUPPLY CONNECTIONS TO NAVIGATION LIGHTS.
 4. PROVIDE MIN. 150mm SLACK IN FLEX CONDUIT TO ALLOW FOR BRIDGE DECK EXPANSION/CONTRACTION.
 5. 103 RPVC CONDUIT FOR MANITOBA HYDRO SYSTEM NEUTRAL TO HAVE LONG SWEEP ELBOWS. PROVIDE EXPANSION JOINTS AT MAX. SPACING OF 45m IN RACEWAY SYSTEM INSTALLED U/S WALKWAY. PROVIDE CONDUIT HANGERS AT MAX. SPACING OF 2100 U/S BRIDGE WALKWAY. CABLING SUPPLIED BY MANITOBA HYDRO INSTALLED BY THIS CONTRACT.

NOTE:
ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE BASED ON AVAILABLE INFORMATION AND RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION OR PRIOR TO PREPARATION OF SHOP DRAWINGS. THE CONTRACTOR SHALL MAKE THE APPROPRIATE ADJUSTMENTS TO THE APPLICABLE DETAILS AND DIMENSIONS ACCEPTABLE TO THE CONTRACT ADMINISTRATOR. THE CONTRACTOR SHALL THEN FABRICATE AND CONSTRUCT THE WORKS IN ACCORDANCE WITH THE CORRECTED DIMENSIONS.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



uma UMA Engineering Ltd. • Consulting • Engineering • Construction • Management Services	
DESIGNED BY: SK	CHECKED BY: BNF
DRAWN BY: SK	APPROVED BY: <i>BNF</i>
HOR. SCALE: AS SHOWN	ACCEPTED BY: <i>M. Feuer</i>
VERT. SCALE: AS SHOWN	DATE: 2005-07-07
0 ISSUED FOR CONSTRUCTION 05/07/05 MP	
NO. REVISIONS	YYMMDD BY



THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

REDWOOD BRIDGE REHABILITATIVE MAINTENANCE AND RELATED WORKS

ELECTRICAL PLAN, SECTIONS AND DETAILS

CITY DRAWING NUMBER: B113-03-01
SHEET 69 OF 74
REV 69 0

CONSULTANT DRAWING NO. 69
0265-376-00

Tender No. 420-2003

PLOT SCALE 1:100 AutoCAD 15:06 P:\2005\35-05-AucCAD\DE-11 Working Drawings\2005-355-03_01-E-0008_RX.dwg 2005-06-19 08:49am CCC