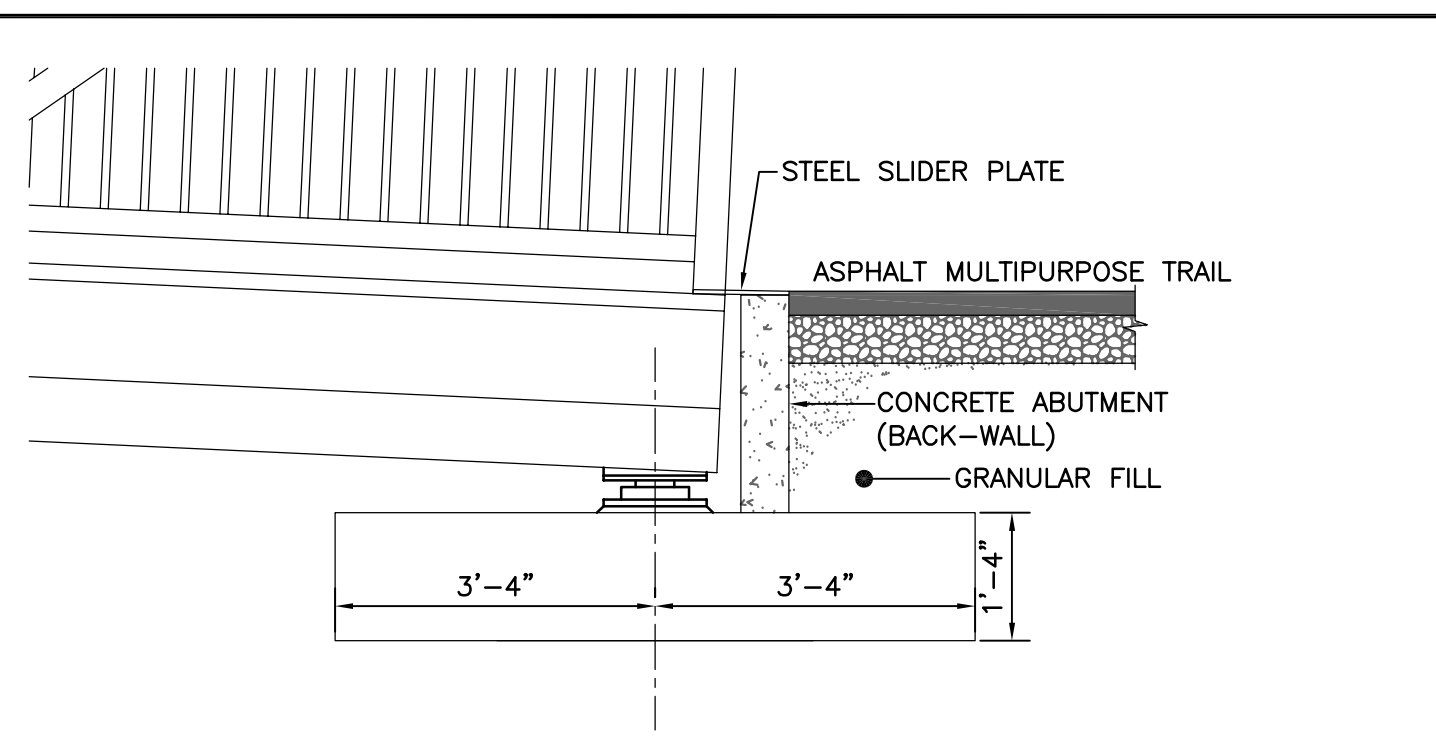
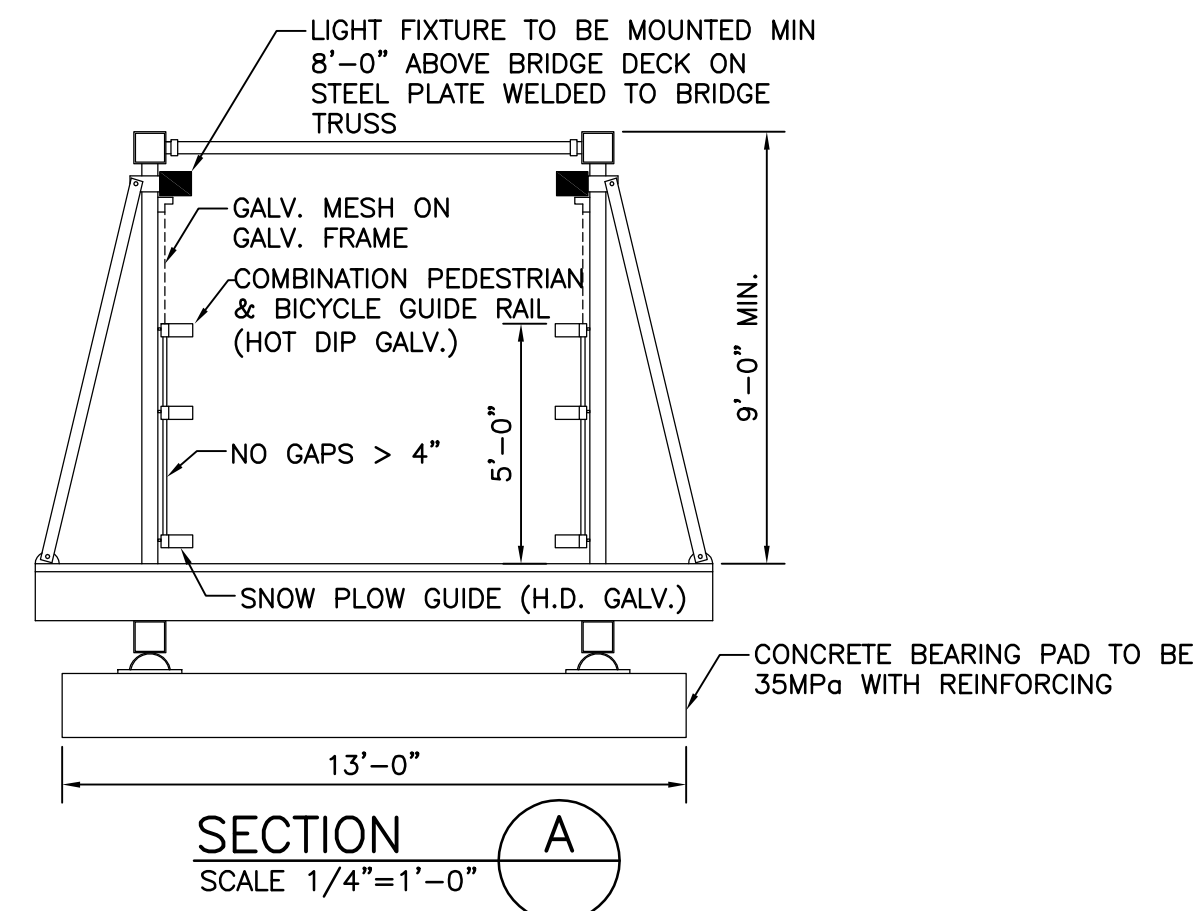


PLAN
SCALE 1"=100'



ABUTMENT DETAIL
SCALE 1/2"=1'-0"



SECTION A
SCALE 1/4"=1'-0"

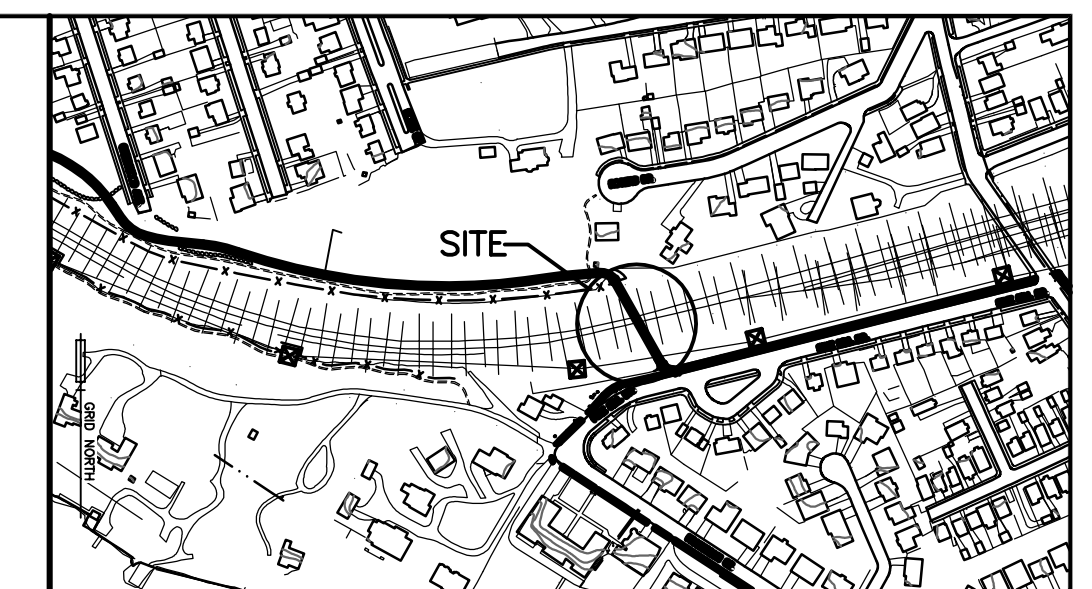
NOTE: ALL STEEL MEMBERS/ELEMENTS INCORPORATED IN THE BRIDGE, RAILINGS, ETC. TO BE HOT DIP GALVANIZED.

SPECIFICATIONS FOR OCAL-BLUE PVC COATED GALVANIZED CONDUIT AND FITTINGS

- ALL CONDUIT PRIOR TO COATING SHALL CONFORM TO: FEDERAL SPECIFICATION WW-C-581E, ANSI SPECIFICATION C80.1 AND UL6.
- THE CONDUIT SHALL BE "HOT DIPPED" GALVANIZED INSIDE AND OUT WITH HOT DIPPED GALVANIZED THREADS. THE "HOT DIPPED" GALVANIZED THREADS SHALL BE COATED WITH BLUE URETHANE.
- THE INTERIOR OF THE CONDUIT SHALL HAVE A BLUE URETHANE COATING OF A NOMINAL THICKNESS OF 0.002" (2MILS).
- THE EXTERIOR OF THE CONDUIT SHALL HAVE PVC COATING OF A MINIMUM THICKNESS OF 0.040" (40MILS) APPLIED BY DIPPING IN LIQUID PLASTISOL.
- ALL COATED CONDUIT SHALL CONFORM TO NEMA STANDARD NO. RN-1.
- THE CONDUIT SHALL BE BENDABLE WITHOUT DAMAGE TO EITHER INTERIOR OR EXTERIOR COATING.
- A 0.002" (MILS) NOMINAL THICKNESS COATING OF BLUE URETHANE SHALL BE APPLIED TO THE EXTERIOR, THE INTERIOR, AND THE THREADS OF ALL FITTINGS AND COUPLINGS.
- A 0.040" (40 MILS) MINIMUM THICKNESS COATING OF PVC SHALL BE APPLIED USING THE PLASTISOL METHOD EXCEPT FOR STRUT CHANNEL, STRUT FITTINGS, AND SHEET METAL ENCLOSURES.
- THE PVC COATING ON ALL FORM B FITTINGS SHALL FORM A GASKET-LIKE FLANGE OF AT LEAST 3/8" WIDE AND 0.010" THICK COVERING THE TOP OF THE FITTING AROUND THE OPENING.
- THE PVC COATING ON ALL FORM B COVERS SHALL FORM A GASKET-LIKE FLANGE OF AT LEAST 3/8" WIDE AND 0.040" THICK COVERING THE BOTTOM OF THE COVER AND MATING WITH THE FLANGE OF THE FITTING.
- STAINLESS STEEL ENCAPSULATED SCREWS SHALL BE SUPPLIED WITH ALL FORM 7 AND FORM 8 FITTINGS.
- ALL HUBS ON FITTINGS AND COUPLINGS SHALL HAVE PVC SLEEVE EXTENDING ONE PIPE DIAMETER OR 2 INCHES, WHICHEVER IS LESS. THE I.D. OF THE SLEEVE TO BE EQUAL TO THE O.D. OF THE UNCOATED PIPE.
- THE BOND BETWEEN THE COATINGS AND THE METAL SHALL BE GREATER THAN THE TENSILE STRENGTH OF THE COATINGS.
- A LOOSE COUPLING SHALL BE SUPPLIED WITH EACH LENGTH OF CONDUIT. THE COUPLINGS SHALL HAVE LONGITUDINAL RIBS TO ENHANCE INSTALLATION.
- RA CLAMPS SHALL HAVE A MINIMUM OF 40 MIL COATING THROUGHOUT. ALL NUTS FOR RA CLAMPS AND U-BOLTS SHALL BE ENCAPSULATED IN A HEXAGON SHAPE TO FIT STANDARD SOCKETS.
- ALL GUA TYPE BOXES SHALL BE SUPPLIED WITH WOD TYPE COVERS (FERALLOY IRON INSTEAD OF ALUMINUM) TO PREVENT CORROSIVE REACTION BETWEEN DISSIMILAR METALS.

PEDESTRIAN BRIDGE PERFORMANCE NOTES

- BRIDGE TO BE SUPPLIED BY CONTRACTOR AS DESIGNED BY BRIDGE MANUFACTURER.
- BRIDGE LIGHTING DETAILS PROVIDED IN ELECTRICAL NOTES.
- PROVIDE SLIDER PLATE OVER FREE END OF BRIDGE COVERING GAP BETWEEN BRIDGE DECK AND ABUTMENT.
- FINAL BRIDGE LENGTH TO BE CONFIRMED IN FIELD ONCE BEARING PAD LOCATIONS HAVE BEEN FINALIZED.
- BRIDGE TO CONFORM TO ALL HRM AND CN SAFETY REGULATIONS.
- BRIDGE DESIGN/BUILDER/FABRICATOR TO INCLUDE STEEL PLATES FOR MOUNTING LIGHT FIXTURES TO BRIDGE STRUCTURE.
- CONTRACTOR TO USE TWO LIBERAL COATS OF COLD GALVANIZING (Z-PLATE) AFTER DRILLING HOLES TO INSTALL CONDUIT CLAMPS REQUIRED TO MOUNT CONDUIT TO BRIDGE STRUCTURE.
- BRIDGE TO CONFORM TO CN STANDARD GRADE SEPARATION REQUIREMENTS, AS WELL AS CN STANDARD PLAN K1U-10.2 SHOWING STANDARD CLEARANCES.
- ENSURE THAT CN STANDARD GRADE SEPARATION AGREEMENT IN FILLED OUT AND SUBMITTED.



KEY PLAN
SCALE 1"=400'

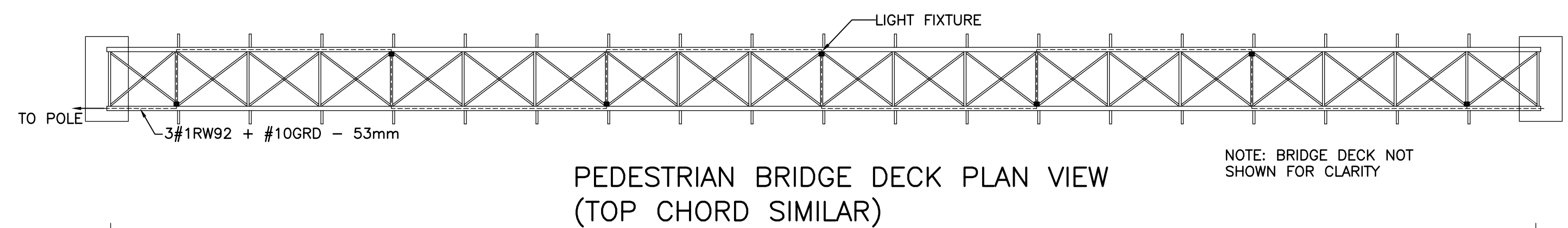
PLAN LEGEND	
EXISTING	PROPOSED

ELECTRICAL NOTES

- POWER FOR LIGHT FIXTURES ON BRIDGE TO BE A CONTINUATION OF STREET LIGHT CIRCUIT FROM THE POWER POLE AT APPROX. STATION 0+300.
- CONTINUE RIGID 53mm PVC CONDUIT UNDERGROUND TO NORTH BRIDGE ABUTMENT, THEN CHANGE TO GALVANIZED RIGID STEEL CONDUIT EXTERNALLY COATED WITH PVC.
- ALL CONDUITS, THREADED COUPLINGS, ELBOWS AND FITTINGS SHALL BE GALV. STEEL AND EQUAL TO OCAL-BLUE BY THOMAS & BITTS.
- ALL OCAL-BLUE CONDUITS AND FITTINGS SHALL BE INSTALLED ACCORDING TO DIRECTIONS FROM MANUFACTURER TO GIVE COMPLETE CORROSION PROTECTION.
- FIXTURES ON BRIDGE TO BE EQUAL TO HUBBELL W758-70W HPS-120V. COMPLETE WITH LAMP AND PHOTOCELL.
- LIGHT FIXTURES TO BE MOUNTED ON STEEL PLATE USING STAINLESS STEEL BOLTS.
- SIDE HUBS ARE 1/2" CONDUIT HUBS. A CAST BOX IS REQUIRED FOR THE 53mm CONDUITS. COORDINATE INSTALLATION WITH THE SUPPLIER OF THE SIDE PLATE.

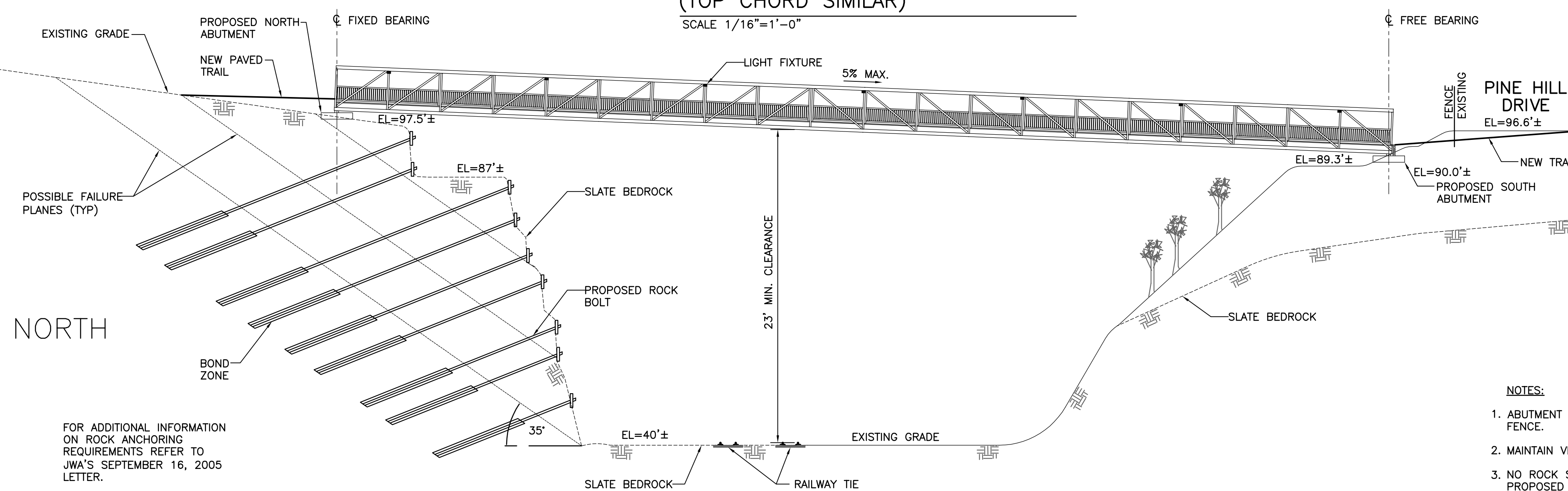
BRIDGE DESIGN REQUIREMENTS

- BRIDGE DECK TO BE NO LESS THAN 9' WIDE (CLEAR BETWEEN GUIDRAIL).
- OVERALL SPAN LENGTH TO BE NO LESS THAN 214' LONG (LENGTH TO BE FINALIZED ONCE BRIDGE ABUTMENTS ARE IN PLACE).
- BRIDGE TO BE DESIGNED TO APPROPRIATE WIND, RAIN, SNOW AND ICE ACCRETION LOADS AS WELL AS PEDESTRIAN LOADS, AND SHOULD BE CAPABLE OF SUPPORTING A SNOW REMOVAL VEHICLE SUCH AS A BOBCAT.
- BRIDGES TO BE CONSTRUCTED OF HOT DIPPED GALVANIZED STEEL AND INCLUDE DURABLE WEATHER RESISTANT HARDWARE AS RECOMMENDED BY BRIDGE MANUFACTURER.
- ENSURE BRIDGE DESIGN INCLUDES APPROPRIATE SAFETY MEASURES TO PREVENT OBJECTS FROM BEING THROWN OFF BRIDGE.
- DESIGN BRIDGE TO MINIMUM REQUIREMENTS OF CHBD CODE CSA S6-00 AND ANY OTHER APPLICABLE CODES AND STANDARDS.
- FINAL BRIDGE DESIGN TO BE STAMPED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER LICENSED TO PRACTICE AND REGISTERED IN N.S.



PEDESTRIAN BRIDGE DECK PLAN VIEW
(TOP CHORD SIMILAR)
SCALE 1/16"=1'-0"

NOTE: BRIDGE DECK NOT SHOWN FOR CLARITY



NORTH ABUTMENT ROCK STABILIZATION
SCALE 1/16"=1'-0"

FOR ADDITIONAL INFORMATION ON ROCK ANCHORING REQUIREMENTS REFER TO JWA'S SEPTEMBER 16, 2005 LETTER.

EXISTING CONDITIONS AT PROPOSED SOUTH ABUTMENT
SCALE 1/16"=1'-0"

NOTES:

- ABUTMENT TO BE FOUNDED ON BEDROCK NEAR FENCE.
- MAINTAIN VEGETATION WHERE POSSIBLE.
- NO ROCK STABILIZATION MEASURES ARE PROPOSED FOR THE SOUTH ABUTMENT.

No.	Date	Revision	Description	Appr'd
C	JAN.9/06		ISSUED FOR CN APPROVAL	
B	OCT.25/05		RE-ISSUED FOR REVIEW	
A	OCT.7/05		ISSUED FOR REVIEW	

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HALIFAX REGIONAL MUNICIPALITY
PUBLIC WORKS AND TRANSPORTATION SERVICES
DESIGN & CONSTRUCTION SERVICES

HALIFAX URBAN GREENWAY

PEDESTRIAN BRIDGE AND ABUTMENTS PLANS & DETAILS

Date	Drawn	Project No.
APR. 27, 2005	KLW	
Scale	Checked	Sheet
AS SHOWN		
Reference	Mgr. Design Services	Plan No.
		1431-10
Surveyed	Dir. Eng. Services	

File No. Sheet 01