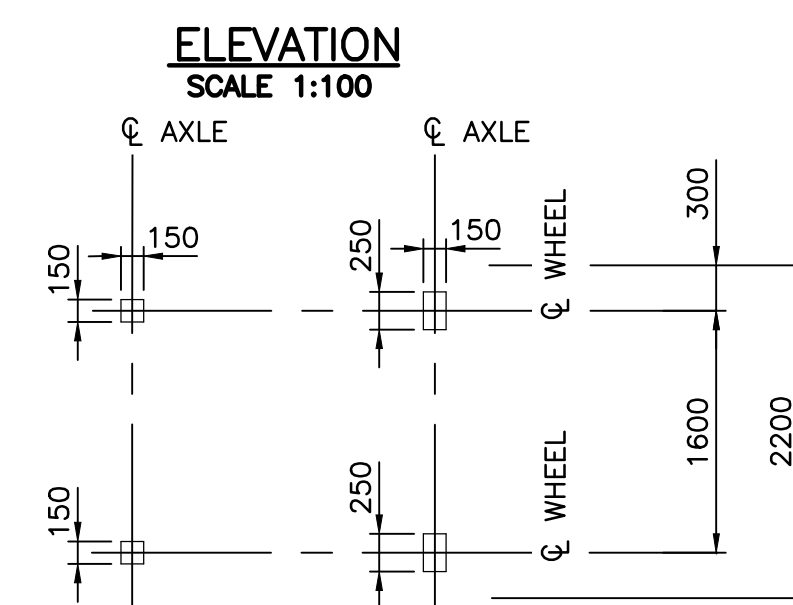
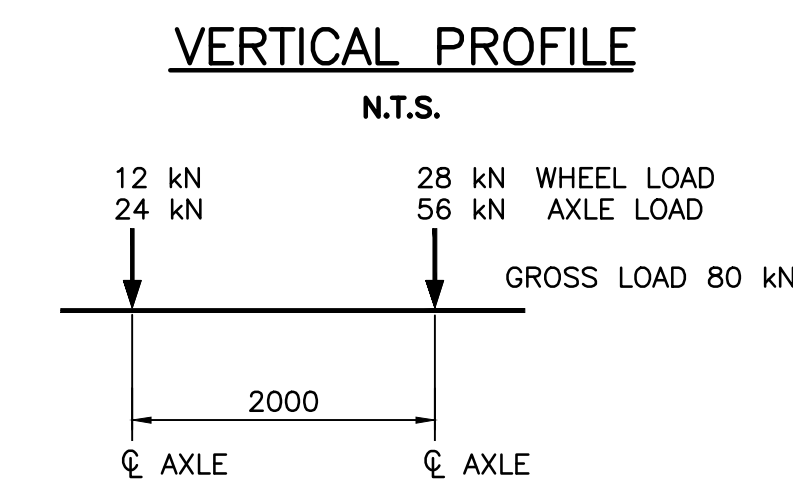
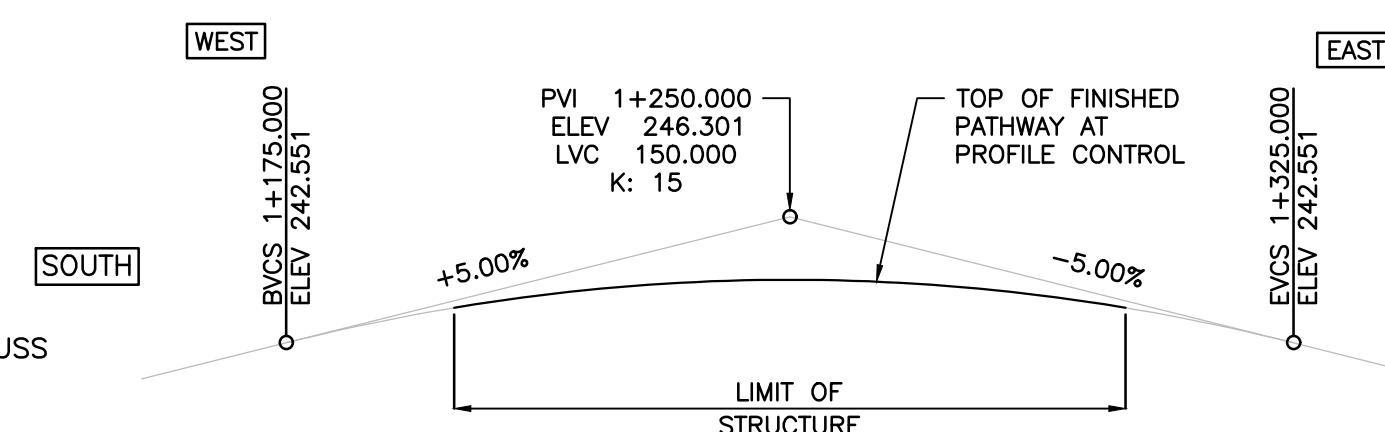
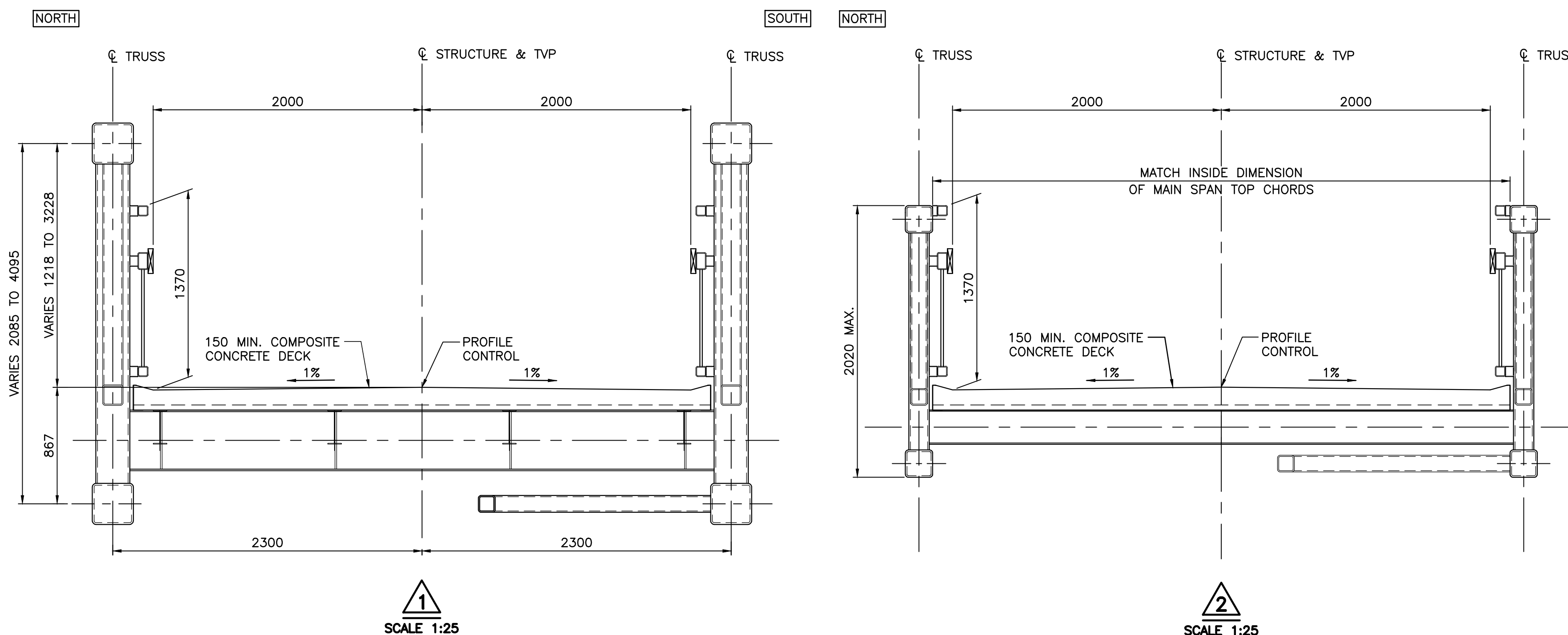
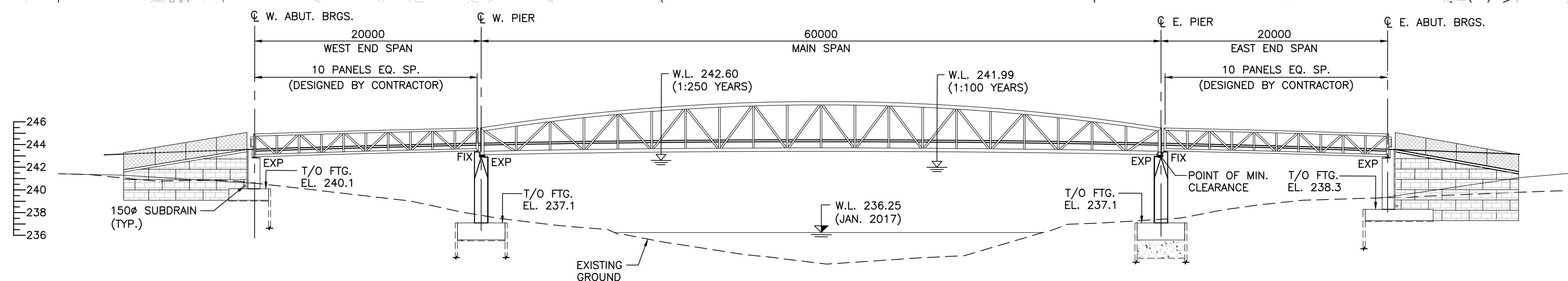
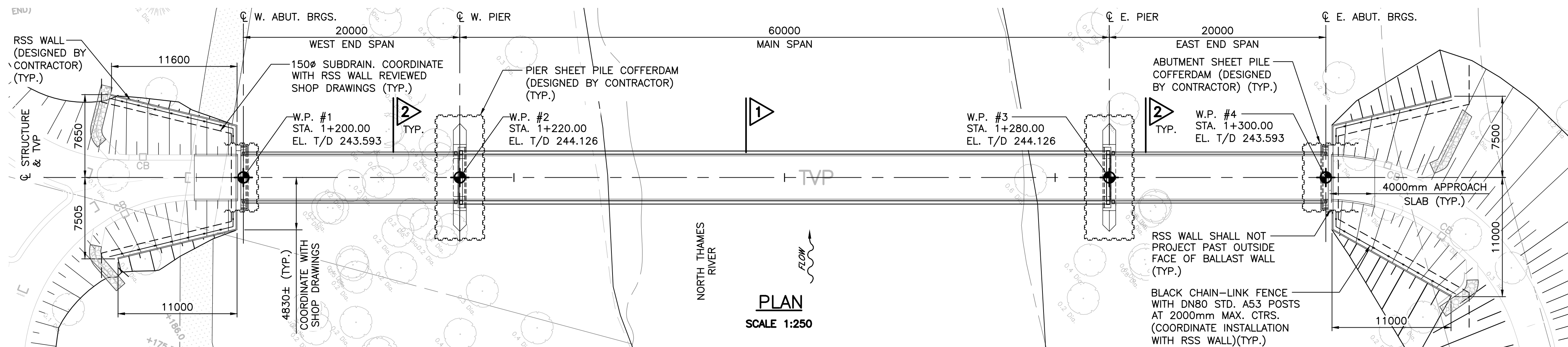




PLAN
MAINTENANCE VEHICLE LOAD
SCALE 1:100

GENERAL NOTES

1. CLASS OF CONCRETE
UNLESS OTHERWISE NOTED 35MPa, CLASS C-1
2. CLEAR COVER TO REINFORCING STEEL
FOOTINGS 100 ± 25
REMAINDER 70 ± 20 UNLESS OTHERWISE NOTED
3. REINFORCING STEEL
REINFORCING STEEL SHALL BE GRADE 400W. (UNLESS NOTED OTHERWISE)
- BARS MARKED WITH PREFIX 'S' DENOTE STAINLESS STEEL BARS.
- STAINLESS STEEL BARS SHALL BE TYPE 316 LN OR DUPLEX 2205 WITH A MINIMUM YIELD STRENGTH OF 500 MPa.
- UNLESS SHOWN OTHERWISE, TENSION LAP SPLICES FOR REINFORCING STEEL BARS SHALL BE CLASS B.
- BAR HOOKS SHALL HAVE STANDARD HOOK DIMENSIONS USING MINIMUM BEND DIAMETERS, WHILE STIRRUPS SHALL HAVE MINIMUM HOOK DIMENSIONS. ALL HOOKS SHALL BE IN ACCORDANCE WITH THE STRUCTURAL STANDARD DRAWING SS12-1, UNLESS INDICATED OTHERWISE.
4. STRUCTURAL STEEL
ALL STRUCTURAL STEEL SHALL CONFORM TO CSA STANDARD CAN/CSA-G40.20/G40.21 GRADE 350AT OR GRADE 350A. ALL HOLLOW REINFORCING SECTIONS SHALL BE CLASS C.

MEMBER SIZES WITH THE SUFFIX 'FC' ARE FRACTURE CRITICAL MEMBERS. THE CHARTY IMPACT REQUIREMENTS FOR FRACTURE CRITICAL MEMBERS SHALL BE 27 JOULES AND THE TEST TEMPERATURE SHALL BE -20°C FOR BASE METAL AND -30°C FOR WELD METAL.

MEMBER SIZES WITH THE SUFFIX 'PTM' ARE PRIMARY TENSION MEMBERS. THE CHARTY IMPACT REQUIREMENTS FOR PRIMARY TENSION MEMBERS SHALL BE 27 JOULES AND THE TEST TEMPERATURE SHALL BE 0°C FOR BASE METAL AND -30°C FOR WELD METAL.

ALL LENGTHS SHOWN ARE IN THE HORIZONTAL PLANE AND MEASURED AT 20°C.

THE CONTRACTOR SHALL ENSURE THE STABILITY OF ALL COMPONENTS DURING HANDLING, TRANSPORTATION AND ERECTION UNTIL THE STRUCTURAL STEEL IS IN ITS FINAL LOCATION WITH ALL PERMANENT BRACING, CONNECTIONS AND SUPPORTS IN PLACE.

UNLESS OTHERWISE NOTED THE MINIMUM FILLET WELD SHALL BE AS FOLLOWS:

<u>MATERIAL THICKNESS OF THICKER PART JOINED (mm)</u>	<u>MINIMUM SIZE OF SINGLE PASS FILLET WELD (mm)</u>
TO 12 INCLUSIVE	5
OVER 12 TO 20	6
OVER 20 TO 40	8
OVER 40 TO 60	10
OVER 60 TO 120	12

BRIDGE SUPERSTRUCTURES SHALL BE CAMBERED TO THE VERTICAL PROFILE SHOWN ON THIS SHEET AND SHALL INCLUDE AN ALLOWANCE FOR THE SUPERSTRUCTURE DEAD LOAD DEFLECTION.

THE ENDS OF TRUSSES AND VERTICALS SHALL BE TRULY VERTICAL UNDER FULL DEAD LOAD.

ALL BUTT WELDS IN TOP AND BOT. CHORD SHOP SPLICES SHALL BE MADE WITH COMPLETE JOINT PENETRATION GROOVE WELDS AND FINISHED FLUSH BY GRINDING WHERE NECESSARY IN THE DIRECTION OF APPLIED STRESS. ALL CHORD SPLICES SHALL BE IDENTIFIED TO THE CONTRACT ADMINISTRATOR.

ALL BOLTS SHALL BE ASTM A325 TYPE 3, 7/8" DIAMETER UNLESS OTHERWISE NOTED. BOLT THREADS SHALL BE EXCLUDED FROM THE SHEAR PLANES.

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL ESTABLISH THE BEARING SEAT ELEVATIONS BY DEDUCTING THE ACTUAL BEARING THICKNESS FROM THE TOP OF BEARING SEAT ELEVATIONS. IF THE ACTUAL BEARING THICKNESSES ARE DIFFERENT FROM THOSE GIVEN WITH THE BEARING DESIGN DATA, THE CONTRACTOR SHALL ADJUST THE REINFORCING STEEL TO SUIT.
2. RETAINED SOIL SYSTEM (RSS) WALLS SHALL HAVE THE FOLLOWING ATTRIBUTES:

APPLICATION	WALL/SLOPE
PERFORMANCE	HIGH
APPEARANCE	HIGH
3. THE LOCATION, DIMENSION AND ELEVATIONS OF THE ABUTMENT AND PIER BEARING PEDESTALS, BEARING SEATS AND BALLAST WALLS SHALL BE ADJUSTED TO COORDINATE WITH REVIEWED SUPERSTRUCTURE WORKING DRAWINGS.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF THE PROPOSED WORK AND ALL DETAILS ON SITE AND REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING WITH THE WORK.
5. NO IN-WATER WORK IS PERMITTED.

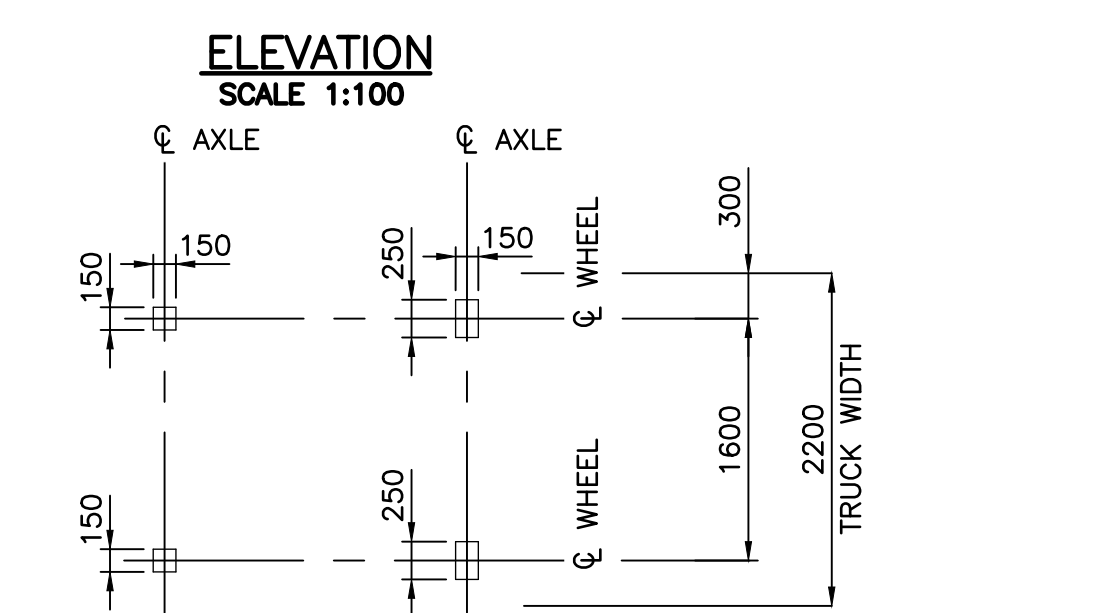
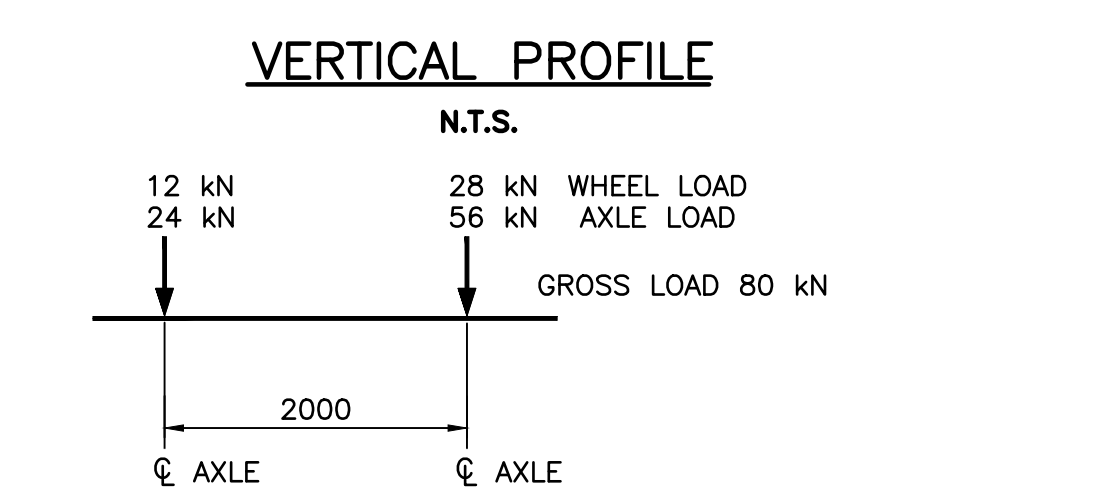
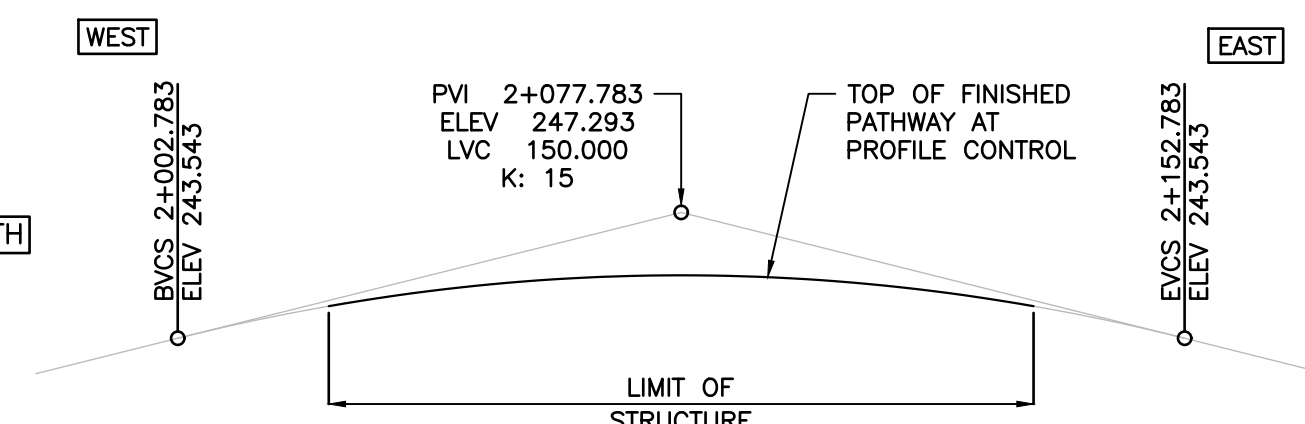
LIST OF APPLICABLE STANDARD DRAWINGS

OPSD 3101.150	WALLS, ABUTMENT, BACKFILL, MINIMUM GRANULAR REQUIREMENT
OPSD 3102.100	WALLS, ABUTMENT, BACKFILL DRAIN
OPSD 3290.100	PIERS CUTWATER ASSEMBLY

DRAWING NOT TO BE SCALED
100 mm ON ORIGINAL DRAWING

[illegible]

REFER TO SHEET S1 FOR NOTES.



DRAWING NOT TO BE SCALED
100 mm ON ORIGINAL DRAWING

[illegible]