

WORKING POINTS

STATION AT ROAD	ELEVATIONS	COORDINATES	
W.P. #1	2+208.00	N -1997.853	E -2220.721
W.P. #2	2+234.00	N -1997.218	E -2194.729

- LIST OF DRAWINGS
1. GENERAL ARRANGEMENT
 2. CONSTRUCTION STAGING
 3. FOUNDATION LAYOUT AND FOOTING REINFORCEMENT
 4. WEST ABUTMENT
 5. EAST ABUTMENT
 6. WINGWALLS
 7. PRESTRESSED GIRDERS AND BEARINGS
 8. DECK DETAILS I
 9. DECK DETAILS II
 10. PARAPET WALL WITH S/W & RAILING - PL2
 11. 6000mm APPROACH SLAB

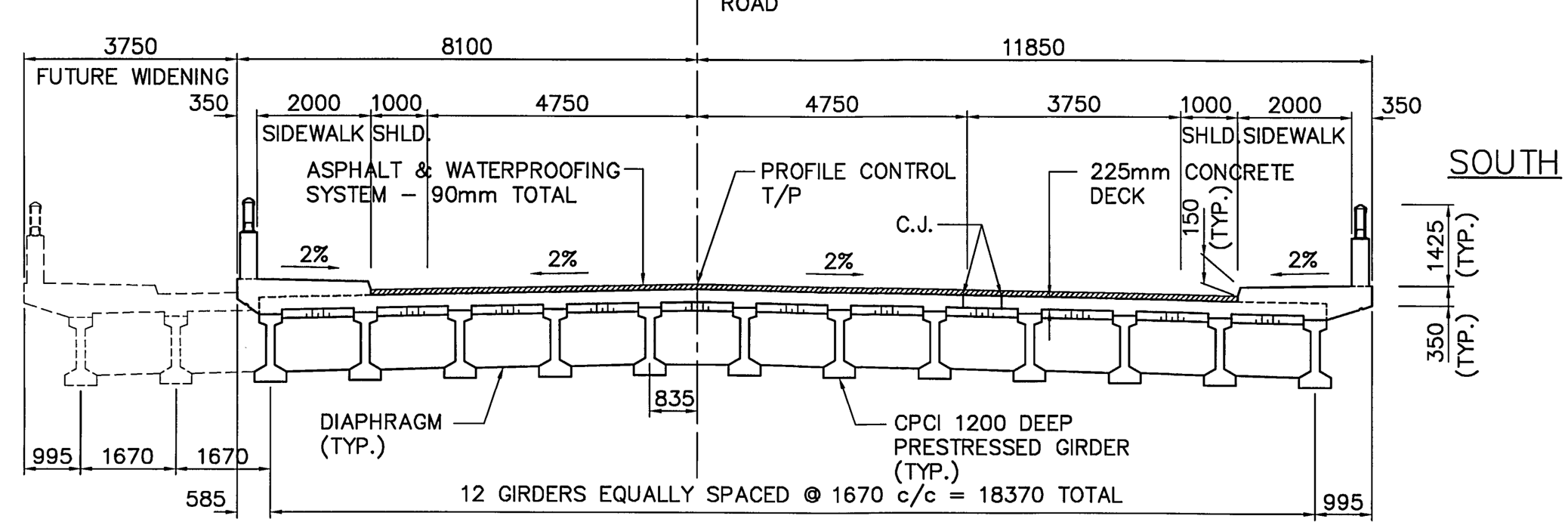
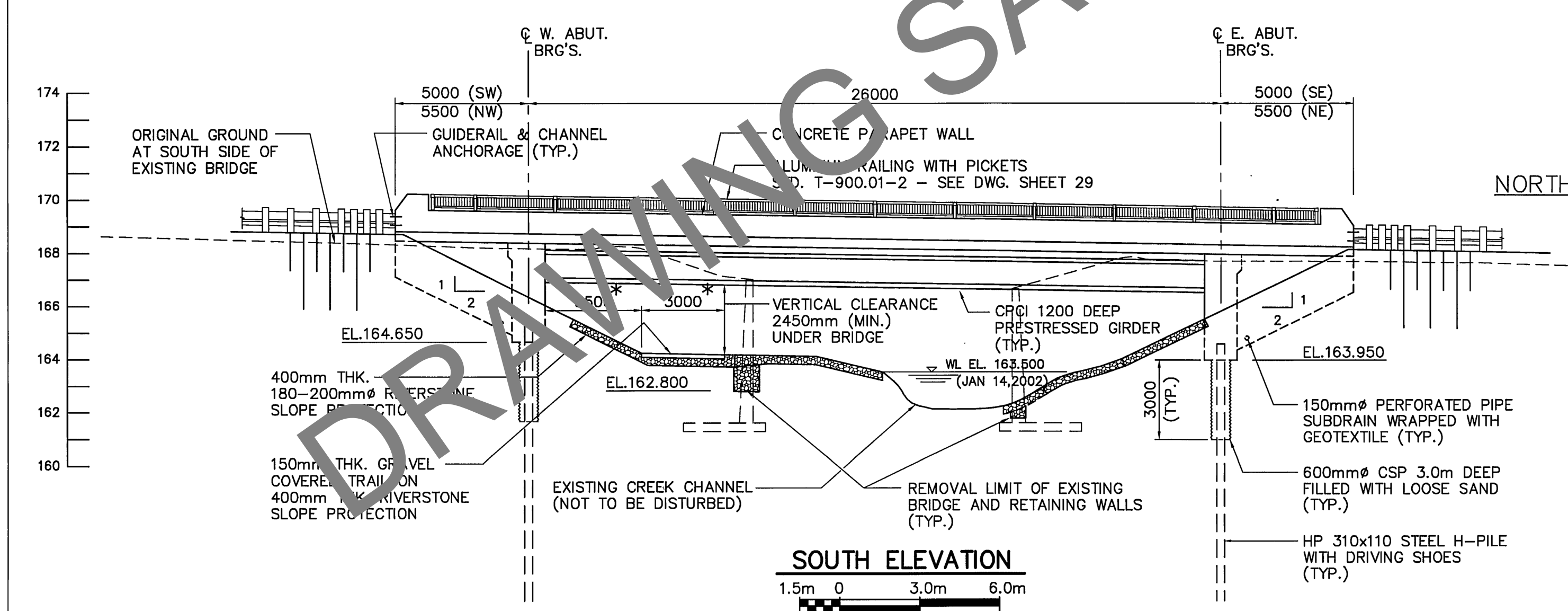
- APPLICABLE STANDARD DRAWINGS
- OPSD 3501.000 MINIMUM GRANULAR BACKFILL REQUIREMENTS - ABUTMENTS
 - OPSD 4010.000 GUIDE RAIL AND CHANNEL ANCHORAGE
 - T-900.01-2 STANDARD ALUMINUM RAILING FOR SIDEWALKS AND WALLS WITH CONCRETE PARAPET (MODIFIED)
 - SS110-53 PARAPET WALL WITH S/W & RAILING - PL2 (MODIFIED)

- GENERAL NOTES
1. CLASS OF CONCRETE:
 - PRECAST GIRDERS..... 50 MPa
 - FOOTINGS..... 30 MPa
 - REMAINDER..... 50 MPa (HPC)

2. CLEAR COVER TO REINFORCING STEEL:
 - FOOTINGS..... 100±25
 - DECK TOP..... 70±20
 - DECK BOTTOM..... 40±10
 - REMAINDER..... 70±20 UNLESS OTHERWISE NOTED.

REINFORCING STEEL SHALL BE GRADE 400 UNLESS OTHERWISE SPECIFIED. BAR MARKS WITH PREFIX 'C' DENOTE COATED BARS. BAR MARKS WITH PREFIX 'S' DENOTE STAINLESS STEEL BARS. UNLESS SHOWN OTHERWISE, TENSION LAP LENGTHS NOT INDICATED ON THE CONTRACT DRAWINGS SHALL BE CLASS B. HOOKS AND BENDS FOR REINFORCING STEEL SHALL BE DETAIL ACCORDING TO OHBDC-91. UNLESS SHOWN OTHERWISE, THE FOLLOWING SHALL APPLY: STANDARD HOOKS WITH MINIMUM BEND DIAMETERS SHALL BE USED FOR STIRRUPS AND TIES, ACCORDING TO CLAUSE B-14.1. OTHER BARS SHALL HAVE STANDARD HOOKS WITH BEND DIAMETERS ACCORDING TO CLAUSE C-8-14.1.

- CONSTRUCTION NOTES
1. THE CONTRACTOR SHALL ESTABLISH THE BEARING SEAT ELEVATIONS BY DEDUCTING THE ACTUAL BEARING THICKNESSES FROM THE TOP OF BEARING 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. NO BACKFILL TO BE PLACED BEHIND ABUTMENTS UNTIL CONCRETE IN DECK HAS REACHED 75% OF ITS SPECIFIED STRENGTH.
 3. BACKFILL SHALL BE PLACED SIMULTANEOUSLY BEHIND ABUTMENTS KEEPING THE HEIGHT OF THE BACKFILL APPROXIMATELY THE SAME. AT NO TIME SHALL THE DIFFERENCE IN THE BACKFILL HEIGHTS BE GREATER THAN 500mm.
 4. GRANULAR PAD BELOW ABUTMENT FOOTINGS EXTEND 4.0m OUTSIDE OF FOOTING TO ALLOW FOR FUTURE WIDENING OF ABUTMENTS.
 5. SEE DRAWING No. 10 FOR EROSION AND SEDIMENT CONTROL DESIGN. SEE DRAWING No. 28 FOR BRIDGE CONSTRUCTION STAGING. SEE DRAWING No. 10A FOR DEWATERING PLAN.
 6. THE CONTRACTOR SHALL MONITOR THE WEATHER SEVERAL DAYS IN ADVANCE OF STARTING THE PROJECT TO ENSURE THAT FAVOURABLE WEATHER CONDITIONS WILL BE APPARENT DURING THE CONSTRUCTION PHASE ASSOCIATED WITH THE WORKS IN THE REGIONAL STORM FLOODPLAIN. SHOULD AN UNEXPECTED STORM EVENT OCCUR, THE CONTRACTOR SHALL UTILIZE THE CONTINGENCY PLAN AS INDICATED ON THE DEWATERING PLAN.



* DENOTES DIMENSIONS MEASURED PERPENDICULAR TO CENTERLINE OF ABUTMENT

DRAWING NOT TO BE SCALED
100 mm ON ORIGINAL DRAWING

JOB STATUS:

6			
5			
4			
3	AS-BUILT		JAN 29/08
2	ISSUED FOR TENDER		MAR 7/05
1	REVISED	THM	JAN31/05
NO.	DESCRIPTION	BY	DATE

CONSULTANT

R.V. Anderson Associates Limited
environment · infrastructure 5489

ENGINEER'S STAMP:

APPROVED AS TO FORM IN RELIANCE UPON THE PROFESSIONAL SKILL AND ABILITY OF R.V. ANDERSON ASSOCIATES LIMITED, CONSULTING ENGINEERS, AS TO DESIGN AND SPECIFICATION.

G. P. CARROLL, P.ENG. DIRECTOR OF ENGINEERING SERVICES

DATE: _____

LANGSTAFF ROAD BRIDGE

GENERAL ARRANGEMENT

City of Vaughan
The City Above Toronto

ENGINEERING DEPARTMENT

DESIGNED BY: JHRV	DATE: NOVEMBER, 2002	CHECKED BY: HMHC
DRAWN BY: HC	SURVEYED BY: L.Z.	APPROVED BY: JHRV
SCALE: AS SHOWN	TENDER No. T05-41	DWG. No. 27 OF 37