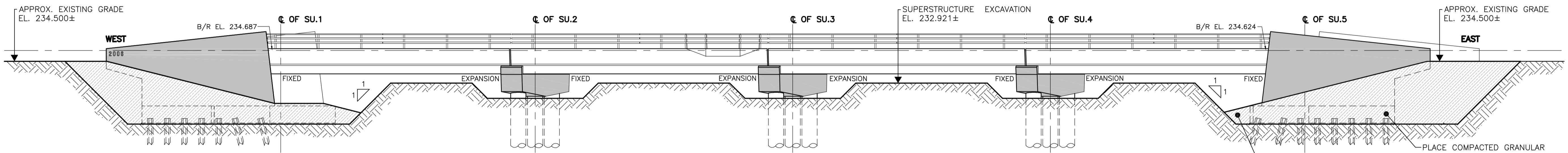


**PLAN**  
1:150



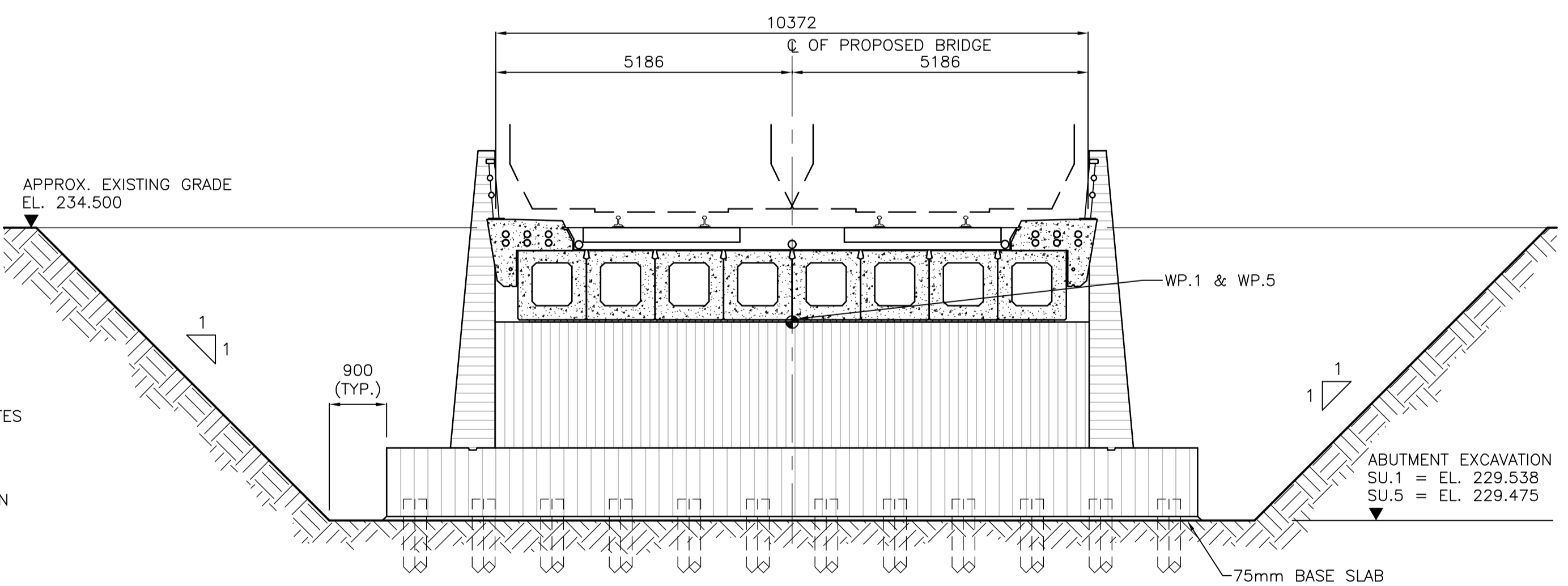
**SOUTH ELEVATION**  
1:150

WORK POINT LOCATION & ELEVATION				
BM.	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM-1	10809.476	10735.348	233.425	B.M. 66-001
IB-18	10791.420	9980.960	-	IRON BAR #18
IB-21	10896.087	10045.783	-	IRON BAR #21
WP-1	10877.071	10010.439	233.013	TOP OF BACKWALL
WP-2	10880.043	10028.003	232.997	TOP OF PIER
WP-3	10883.053	10045.790	232.981	TOP OF PIER
WP-4	10886.063	10063.576	232.966	TOP OF PIER
WP-5	10889.035	10081.140	232.950	TOP OF BACKWALL

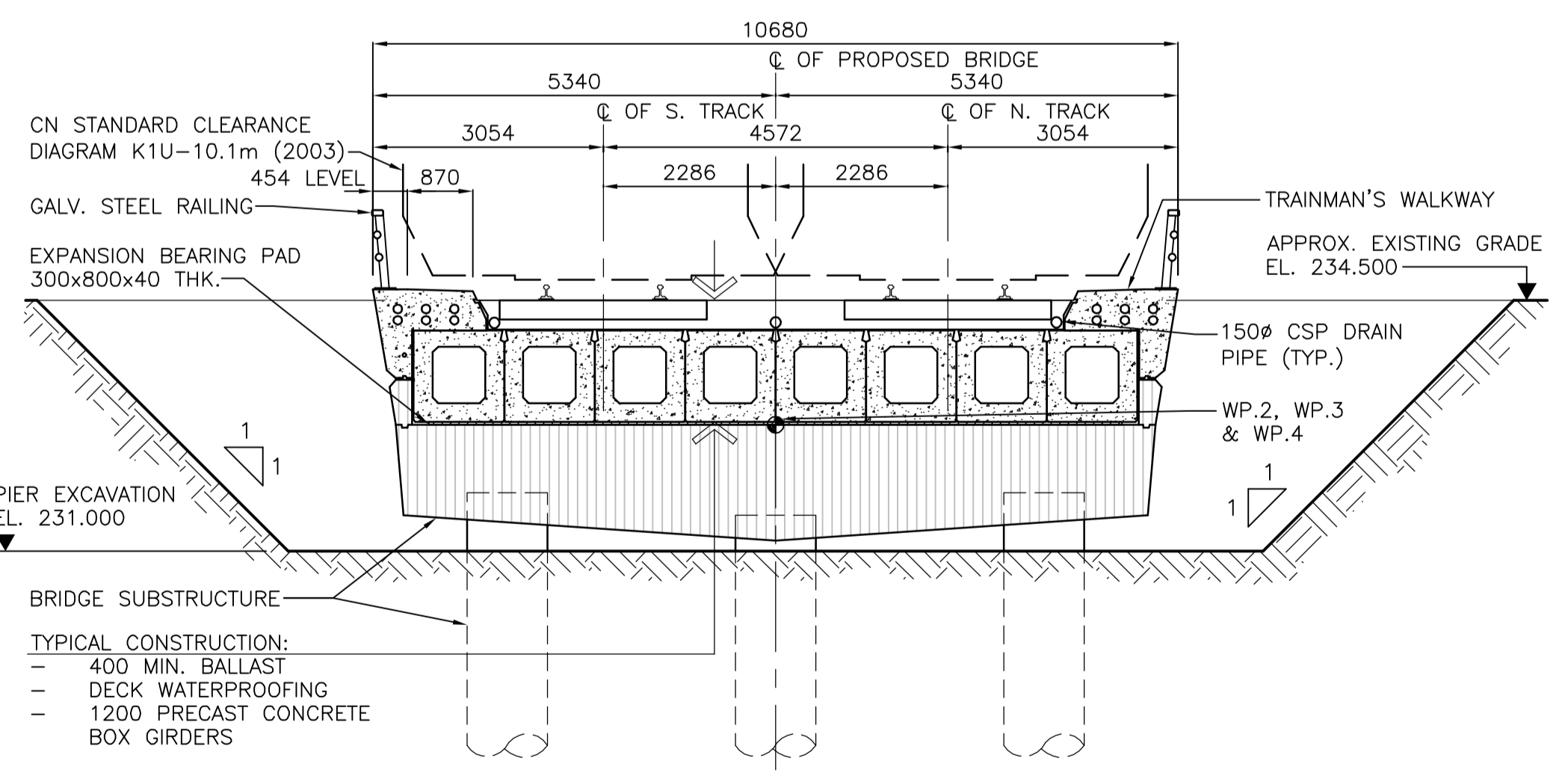
**BENCH MARK:**  
BOLT IN 12.5m CONC. PILE, 2.4m N. OF S. LINE OF WILKES AVE. (FENCE LINE), & 7.0m E. OF E. FACE OF 2nd TOWER W. OF THE MOST EASTERLY, SET OF TRACKS OF C.P.R. LA RIVIERE SUB. COORDINATE LOCATIONS BASED ON LOCAL CONSTRUCTION COORDINATES

**GENERAL NOTES:**  
A NEW BRIDGE SHALL BE CONSTRUCTED TO CARRY TWO EXISTING CN TRACKS OVER KENASTON BLVD.  
LOCATION OF NEW BRIDGE: CN RIVERS SUBDIVISION MILE 5.18  
GRADE AND ELEVATION OF BASE OF RAIL TO REMAIN UNCHANGED.  
ALIGNMENT OF EXISTING TRACK TO REMAIN UNCHANGED.  
MINIMUM VERTICAL CLEARANCE OF 5300mm FROM TOP OF PROPOSED ROAD TO UNDERSIDE OF THE BRIDGE IS BASED ON A THREE TRACK BRIDGE AS INDICATED ON DRAWINGS P-3258-131 (SECTION A).

**DESIGN DATA**  
DESIGN SPECIFICATION - AREMA 2004  
LIVE LOAD - COOPER E90 PLUS CN IMPACT FOR DIESEL AND ELECTRICAL LOCOMOTIVES  
BALLAST - BRIDGE DESIGNED FOR 700mm BALLAST  
CONCRETE - SUBSTRUCTURE: f'c = 35 MPa  
SUPERSTRUCTURE: PRECAST GIRDERS: f'c = 70 MPa  
TRAINMAN'S WALKWAY: f'c = 35 MPa  
CAISSONS: f'c = 40 MPa



**A SECTION AT ABUTMENT**  
1:75



**B SECTION AT PIER**  
1:75

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**APEGM**  
Certificate of Authorization  
Stantec Consulting Ltd.  
No. 1301 Expiry: April 30, 2006

LOCATION APPROVED UNDERGROUND STRUCTURES		B.M. 66-001 ELEV. 233.425m	
SUPV. U/G STRUCTURES COMMITTEE	DATE	DESIGNED BY	CHECKED BY
		KSA/MJB	GWM
		JMB	MJB
NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.		HOR. SCALE: AS SHOWN	DATE: 05.10.26
0	ISSUED FOR TENDER	05.10.26	MJB
	NO. REVISIONS	DATE	BY
		05.07.12	

**Stantec Consulting Ltd.**  
905 Waverley Street, Winnipeg, Manitoba  
Tel 204-489-5900 Fax 204-453-9012

DESIGNED BY: KSA/MJB  
CHECKED BY: GWM  
DRAWN BY: JMB  
APPROVED BY: MJB  
R. FINGAS, P. ENG.  
BRIDGE PROJECTS ENGINEER

ENGINEER'S SEAL  
ORIGINAL SEALED BY  
M.J. BOISSONNEAULT  
P. ENG.  
05.10.26  
CONSULTANT DRAWING NO.  
I13703042-S04

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

**Winnipeg**

**KENASTON UNDERPASS**  
KENASTON BLVD. / CN RIVERS SUB. MILE 5.18  
RAILWAY BRIDGE CONSTRUCTION

GENERAL ARRANGEMENT - PHASE II  
BRIDGE CONSTRUCTION

SHEET 6 OF 25  
CAD FILE DRAWING NUMBER  
KU-06-664.dwg  
CITY DRAWING NUMBER  
P-3258-130