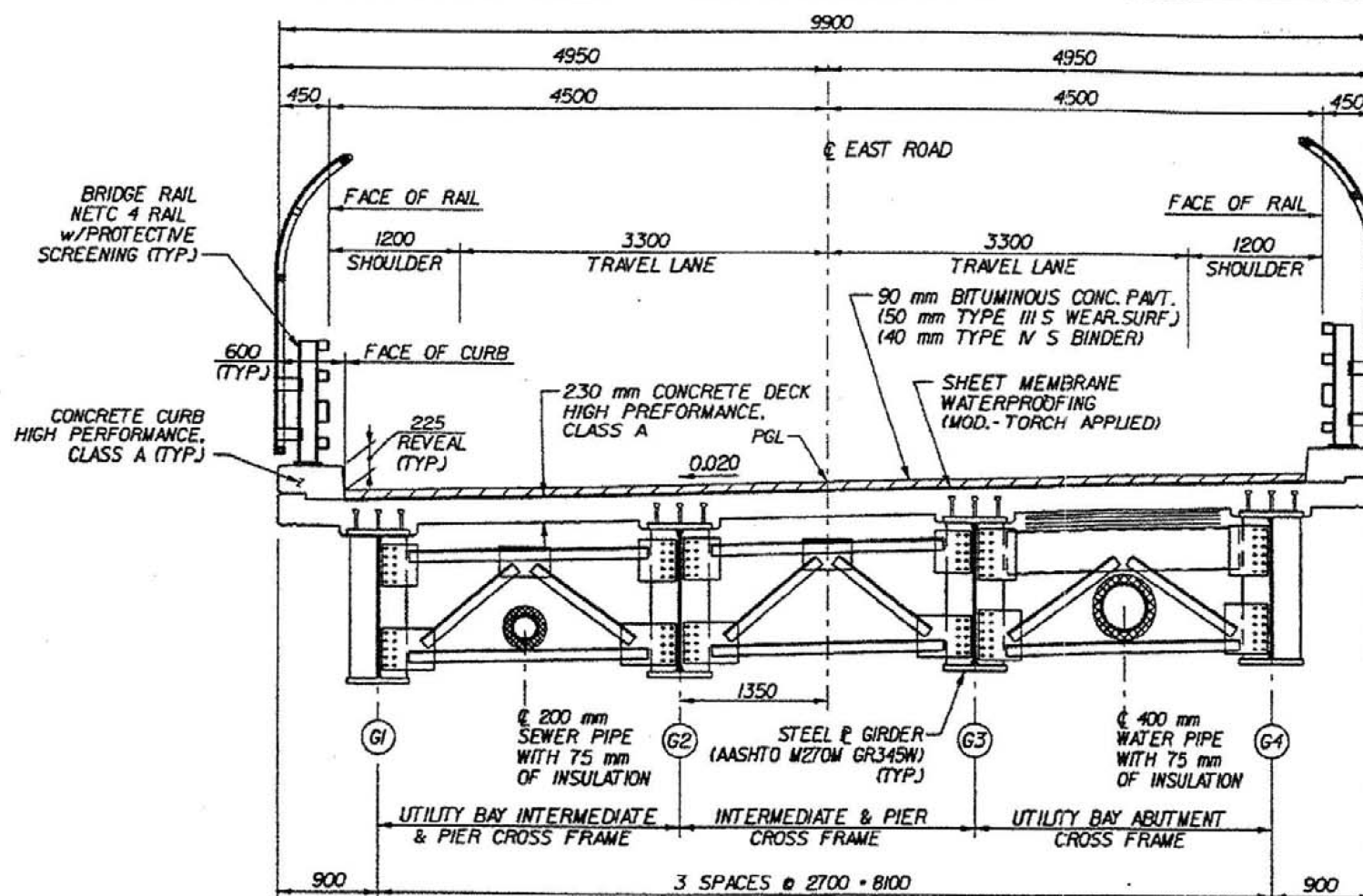
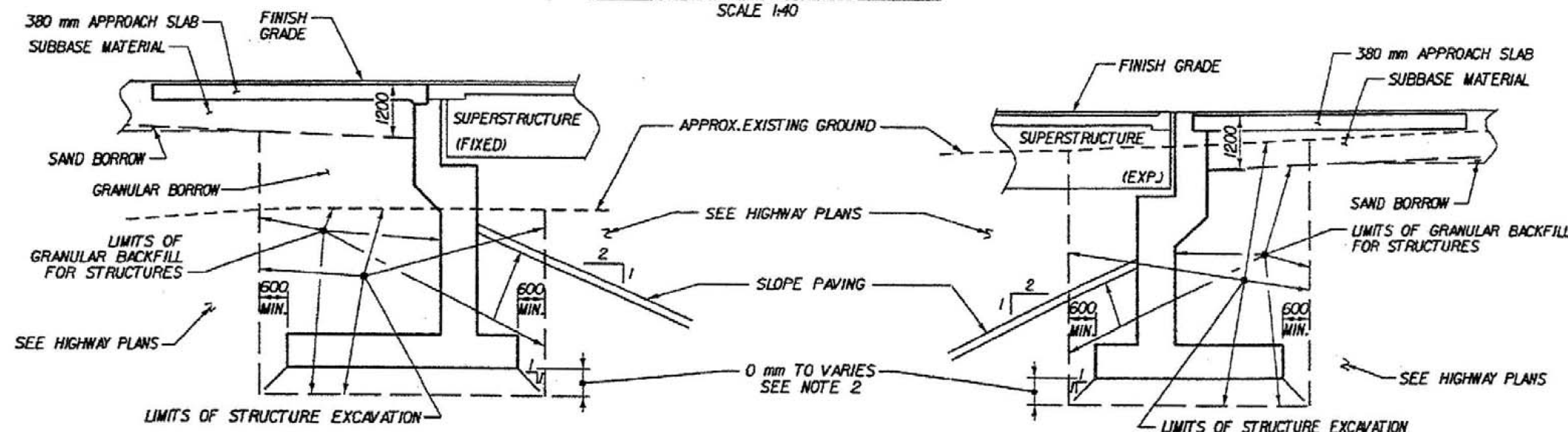


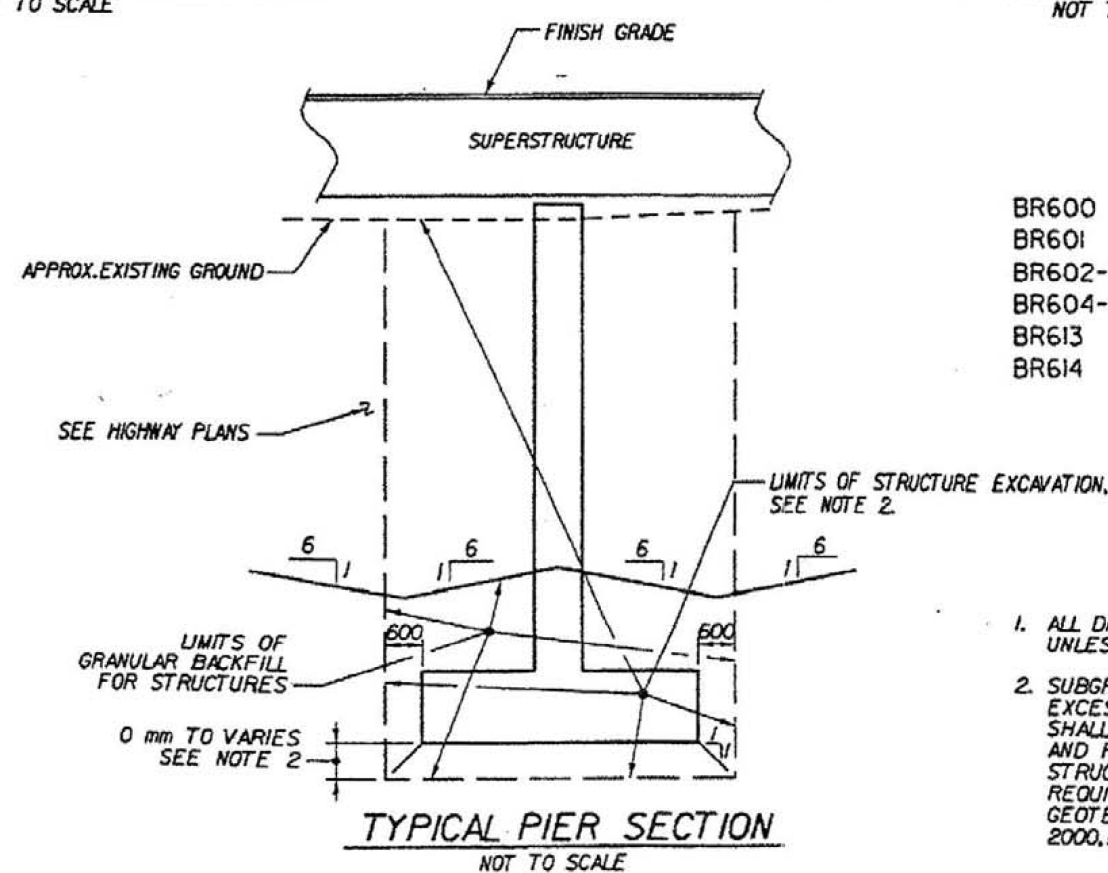


BRIDGE TYPICAL SECTION
SCALE 1:40



TYPICAL ABUTMENT 1 SECTION
NOT TO SCALE

TYPICAL ABUTMENT 2 SECTION
NOT TO SCALE



TYPICAL PIER SECTION
NOT TO SCALE

INDEX OF SHEETS

- BR600 PRELIMINARY INFORMATION SHEET
- BR601 PLAN AND ELEVATION
- BR602-603 BORING INFORMATION SHEETS
- BR604-612 BORING LOGS
- BR613 VT ROUTE 279 PROFILES
- BR614 PIER ELEVATION

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.
2. SUBGRADE AREAS BENEATH FOOTINGS EXHIBITING EXCESSIVE WEAVING OR SOFT OR UNSTABLE SOILS SHALL BE REMOVED AS STRUCTURE EXCAVATION AND REPLACED WITH GRANULAR BACKFILL FOR STRUCTURES. ADDITIONAL FOUNDATION CONSTRUCTION REQUIREMENTS ARE OBTAINED IN SECTION 8.0 OF THE GEOTECHNICAL ENGINEERING REPORT, DATED SEPTEMBER 2000, BY GZA GEOTECHNICAL, INC.

HYDROLOGIC

DRAINAGE AREA: _____
 CHARACTER OF TERRAIN: _____
 CHARACTER & TYPE OF STREAM: _____
 NATURE OF STREAMBED: _____
 02.33= _____ cms
 010= _____ cms
 025= _____ cms
 DATE OF FLOOD OF RECORD: _____
 WATER SURFACE ELEV. ESTIMATE: _____
 NATURAL STREAM VELOCITY @ 050 = _____ mps
 ICE CONDITIONS: _____
 DOES THE STREAM REACH MAXIMUM HIGHWATER IS ORDINARY RISE RAPID? _____
 IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM? _____
 IF YES, DESCRIBE: _____
 WATERSHED STORAGE: _____ HEADWATERS: _____

EXISTING STRUCTURE

STRUCTURE TYPE: N/A
 CLEAR SPAN (NORMAL TO STREAM): _____
 VERTICAL CLEARANCE ABOVE STREAMBED: _____
 WATERWAY OF FULL OPENING: _____
 DISPOSITION OF STRUCTURE: _____
 TYPE OF MATERIAL UNDER SUBSTRUCTURE: _____
 WATER SURFACE ELEV. @ 02.33= _____
 010= _____
 025= _____
 050= _____
 0100= _____
 LONG TERM STREAM BED CHANGES: N/A
 IS THE ROADWAY OVERTOPPED BELOW THE 010 RELIEF ELEVATION? N/A DISCHARGE OVER _____
 UPSTREAM STRUCTURE: TOWN: N/A
 HIGHWAY NO.: _____
 STRUCTURE TYPE: _____
 CLEAR SPAN: _____
 YEAR BUILT: _____ FULL WATERWAY
 * DOWNSTREAM STRUCTURE: TOWN: N/A
 HIGHWAY NO.: _____
 STRUCTURE TYPE: _____
 CLEAR SPAN: _____
 YEAR BUILT: _____ FULL WATERWAY
 * (COMPLETE INFORMATION WILL BE PROVIDED)

DESIGN CRITERIA:

1. DESIGN LIVE LOAD AASHTO M
2. DESIGN SPAN 38.9 m x 5
3. ALLOWABLE LOAD FOR SPREAD 4
4. ALLOWABLE LOAD FOR PILING
5. STRUCTURAL STEEL AASHTO GRA
6. REINFORCING STEEL GRADE 420
7. CONCRETE, HIGH PERFORMANCE

TRAFFIC MAINTENANCE:

1. IS TRAFFIC TO BE MAINTAINED
 2. TEMPORARY BRIDGE REQUIREMENT
- MINIMUM CLEAR SPAN (NO WATERWAY AT FULL OPENING) ARE SIDEWALKS REQUIRED

LOAD RATIO

LOADING LEVELS (LOAD FACTOR)	H	HS	352
INVENTORY A = 2.17			
POSTED A = 1.55			
OPERATING A = 1.30			

$$RF = \frac{PMN - 1.3 M D}{A \times M_{LL-1}}$$