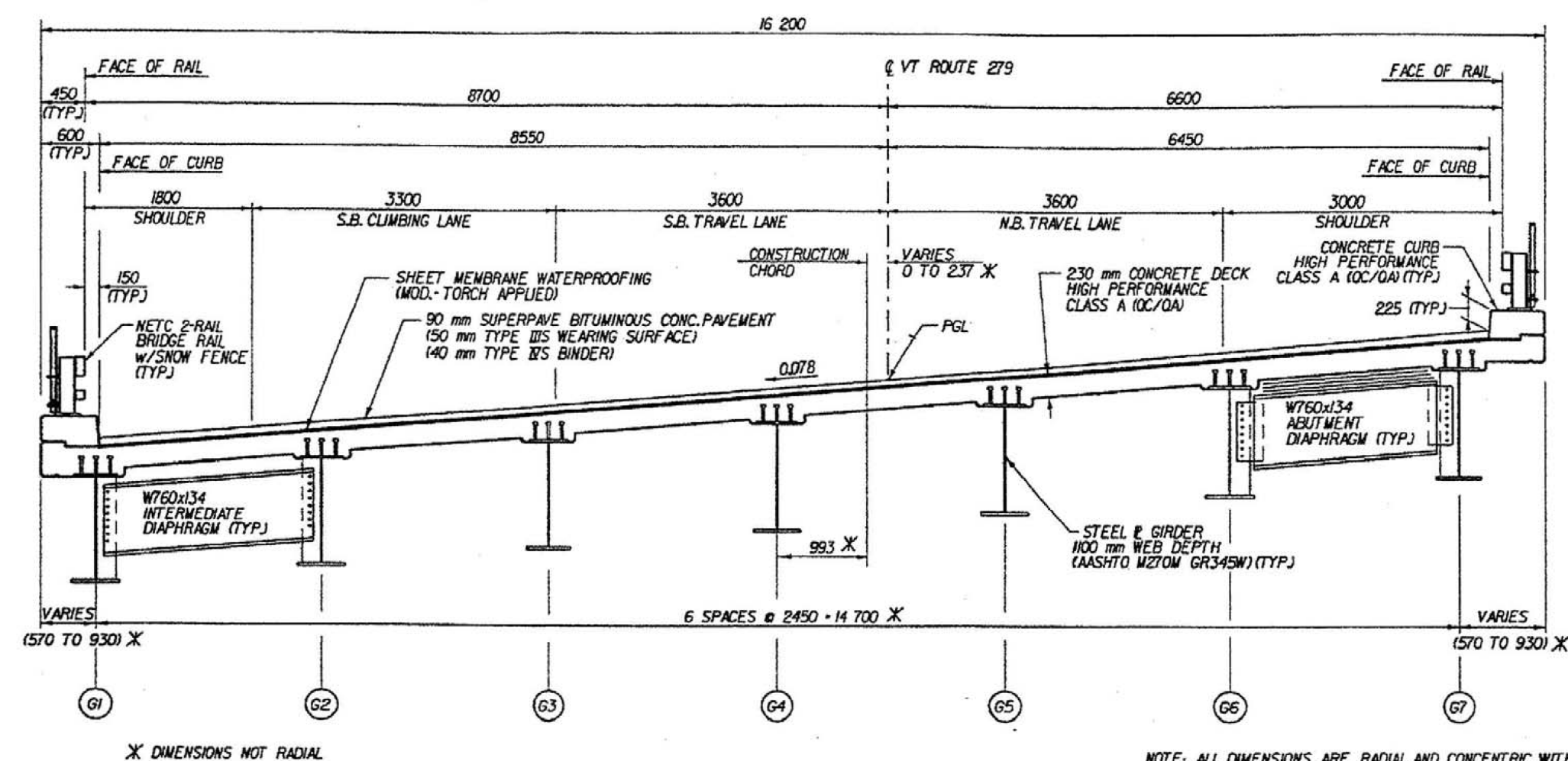
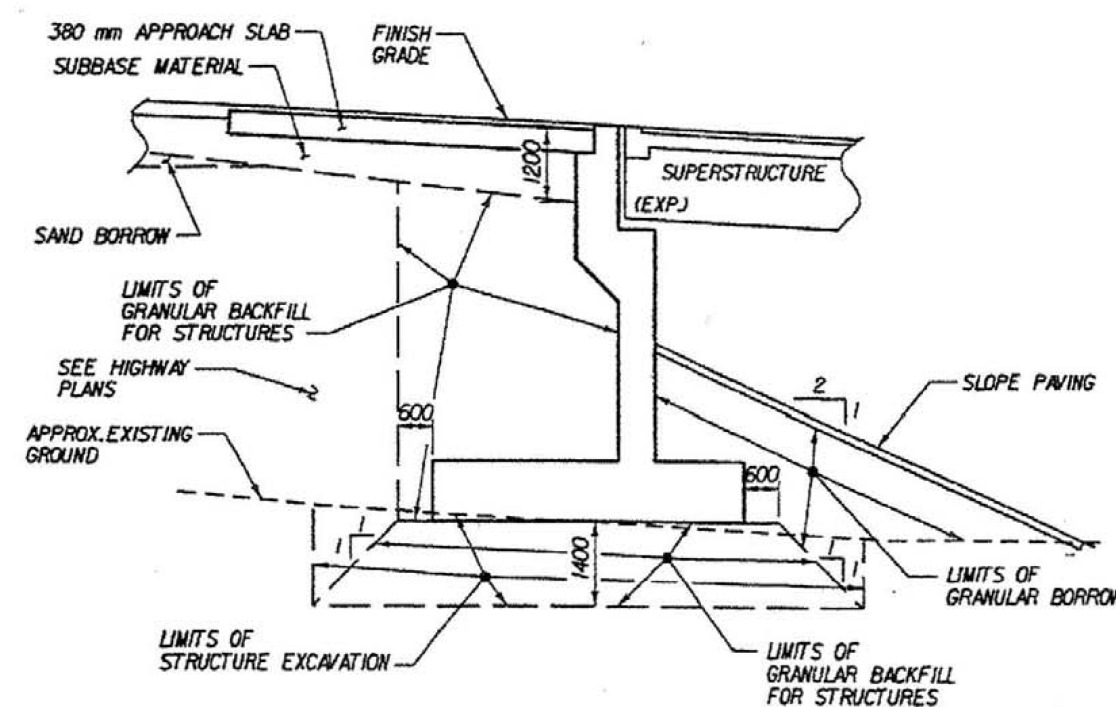
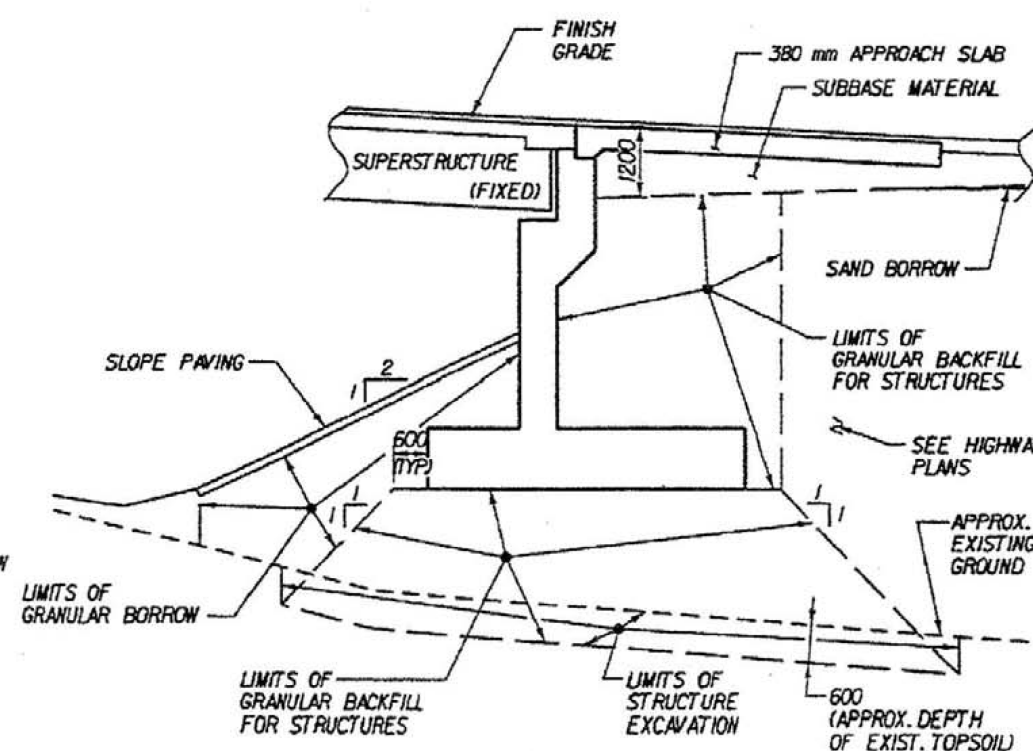




BRIDGE TYPICAL SECTION
SCALE 1:40



TYPICAL ABUTMENT 1 SECTION
NOT TO SCALE



TYPICAL ABUTMENT 2 SECTION
NOT TO SCALE

INDEX OF SHEETS

BR400 PRELIMINARY INFORMATION SHEET
BR401 GENERAL PLAN AND ELEVATION
BR402-403 BORING INFORMATION SHEETS
BR404-409 BORING LOGS

NOTE:

ALL DIMENSIONS ARE IN MILLIMETERS (mm)
UNLESS OTHERWISE NOTED.

HYDROLOGIC DATA

DRAINAGE AREA: _____
CHARACTER OF TERRAIN: _____
CHARACTER & TYPE OF STREAM: _____
NATURE OF STREAMBED: _____
DATE OF FLOOD OF RECORD: _____
WATER SURFACE ELEV.: _____ ESTIMATED DISCHARGE: _____
NATURAL STREAM VELOCITY @ 0.50 = _____
ICE CONDITIONS: _____
DOES THE STREAM REACH MAXIMUM HIGHWATER ELEVATION MAP? _____
IS ORDINARY RISE RAPID? _____
IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS? _____
IF YES, DESCRIBE: _____
WATERSHED STORAGE: _____ HEADWATERS: _____ UNIFORM THROUGH: _____
IMMEDIATELY ABOVE SITE: _____

EXISTING STRUCTURE

STRUCTURE TYPE: N/A YEAR: _____
CLEAR SPAN (NORMAL TO STREAM): N/A
VERTICAL CLEARANCE ABOVE STREAMBED: N/A
WATERWAY OF FULL OPENING: N/A
DISPOSITION OF STRUCTURE: N/A
TYPE OF MATERIAL UNDER SUBSTRUCTURE: N/A
WATER SURFACE ELEV. @ 02.33: _____ VELOCITY: _____
010: _____
025: _____
050: _____
0100: _____

LONG TERM STREAM BED CHANGES: N/A
IS THE ROADWAY OVERTOPPED BELOW THE 0100? N/A FREQ: _____
RELIEF ELEVATION: N/A DISCHARGE OVER ROAD @ 0100: N/A

UPSTREAM STRUCTURE: TOWN: N/A DISTANCE: _____
HIGHWAY NO.: _____ STRUCTURE: _____
STRUCTURE TYPE: _____ CLEAR HEIGHT: _____
YEAR BUILT: _____ FULL WATERWAY: _____

DOWNSTREAM STRUCTURE: TOWN: N/A DISTANCE: _____
HIGHWAY NO.: _____ STRUCTURE: _____
STRUCTURE TYPE: _____ CLEAR HEIGHT: _____
YEAR BUILT: _____ FULL WATERWAY: _____

• INCOMPLETE INFORMATION WILL BE PROVIDED ON FINAL PL.

DESIGN CRITERIA:

1. DESIGN LIVE LOAD AASHTO MS-22.5
2. DESIGN SPAN 33.8
3. ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL
4. ALLOWABLE LOAD FOR PILING N/A
5. STRUCTURAL STEEL AASHTO GRADE M270M GR3
6. REINFORCING STEEL GRADE 420
7. CONCRETE, HIGH PERFORMANCE CLASS A (OC/OA)
- CONCRETE, HIGH PERFORMANCE CLASS B

TRAFFIC MAINTENANCE:

1. IS TRAFFIC TO BE MAINTAINED? YES IF _____
2. TEMPORARY BRIDGE REQUIREMENTS: ONE OR TWO
MINIMUM CLEAR SPAN (NORMAL TO STREAM)
WATERWAY AT FULL OPENING: _____
ARE SIDEWALKS REQUIRED? N/A IF _____

LOAD RATING (TONS)

LOADING LEVELS (LOAD FACTOR)	H	HS	SS2	6 AXLE	TR
INVENTORY A = 2.17					
POSTED A = 1.55					
OPERATING A = 1.30					

RF = $\frac{P}{W} = 1.3 \text{ M.D.}$
A = M.L.L.

CH