**NOTES**

- **1.0 OPERATIONS AND RURAL DEVELOPMENT (MINISTRY) STANDARD FOR APPROACH BARRIERS WHERE**
- "THIS CONCEPT Dwg. ILLUSTRATES THE MINIMUM MINISTRY OF FORESTS, LANDS, NATURAL RESOURCES OPERATIONS AND RURAL DEVELOPMENT (MINISTRY) STANDARD FOR APPROACH BARRIERS WHERE APPROACH BARRIERS ARE SPECIFIED FOR A FOREST SERVICE ROAD (FSR) BRIDGE SITE.

- **1.1 GENERAL**
- "THE TWO BARRIER OPTIONS ON THIS Dwg. ARE NOT PHYSICALLY ANCHORED INTO THE APPROACH ROADWAY FILL AND ARE NOT PHYSICALLY CONNECTED TO THE BRIDGE GUARDRAILS. THESE OPTIONS REFLECT MINIMUM STANDARDS PROVIDING VISUAL GUIDANCE AND WILL PROVIDE SOME LIMITED RESISTANCE TO VEHICLE IMPACTS. THEY ARE NOT CRASH TESTED AND HAVE NOT BEEN ENGINEERED TO RESIST SPECIFIED VEHICLE IMPACT FORCES.

- **1.2 MATERIALS & INSTALLATION**
- "ANCHORED AND CONNECTED MINISTRY APPROACH BARRIER CONCEPTS CAN BE FOUND ON MINISTRY STANDARD DWGS STD-EC-010-15 & 16 "ANCHORED/CONNECTED BRIDGE APPROACH BARRIER CONCEPTS."

- "THIS DRAWING IS FOR REFERENCE FOR THE BRIDGE GENERAL ARRANGEMENT ENGINEER IN PRODUCING PROJECT SPECIFIC DESIGN DRAWINGS FOR WHICH THEY TAKE FULL RESPONSIBILITY. THIS PROFESSIONAL ENGINEER SHALL BE REGISTERED TO PRACTICE IN BRITISH COLUMBIA.


- "THE BRIDGE GENERAL ARRANGEMENT ENGINEER SHALL INCLUDE A NOTE ON THEIR DRAWINGS TO ADDRESS THE REQUIREMENT FOR FIELD REVIEWS CONSISTENT WITH THE GUIDELINES PUBLISHED BY ENGINEERS AND GEOCONSECTISTS BRITISH COLUMBIA CALLED, "DOCUMENTED FIELD REVIEWS DURING IMPLEMENTATION OR CONSTRUCTION."

- "ALL DIMENSIONS ARE NOMINAL.

- "FURTHER GUIDANCE AND CONSIDERATIONS RELATED TO SELECTION AND USE OF FSR BRIDGE APPROACH BARRIERS ARE PROVIDED IN THE FOLLOWING MINISTRY DOCUMENT:

- "GUIDANCE FOR SELECTING BRIDGE GUARDRAIL CONTAINMENT LEVEL AND DETERMINING NEED FOR BRIDGE APPROACH BARRIERS ON FSRs," AND
- "CONSIDERATIONS FOR USE OF MINISTRY STANDARD DRAWINGS STD-EC-010-15 AND STD-EC-010-15 A FS BRIDGE APPROACH BARRIERS FOR FSR BRIDGES".

---

**ELEV. CONCRETE BARRIER OPTION (LOG BARRIER OPTION SIMILAR)**

*1:75*

**TYP X-SECTION - LOG BARRIER OPTION**

*SITE SPECIFIC MINISTRY APPROVAL REQS FOR USE OF THIS OPTION*

**TYP X-SECTION**

*LOG BARRIER:
- SOUND WOOD
- MIN. 600 mm Dia.
- MIN. 4000 mm LONG
- SPECIES SPECIFIED BY MINISTRY

**TRIM TRAFFIC SIDE CORNER NEAREST BRIDGE IF REQ'D TO ENSURE IT DOES NOT PROTRUDE INTO ROADWAY.**

**SOIL BUTTRESS (FULL LENGTH OF LOG):**

**200 mm MIN.**

**APPROACH ROAD SURFACE:**

**100 mm LOG EMBEDMENT IN APPROACH FILL:**

**300 mm MIN. LEVEL COMPACTED APPROACH FILL BEHIND LOG:**

---

**ASSUME NOT TO SCALE**

**NOT FOR CONSTRUCTION**

---

**STANDARD BRIDGE DRAWING**

**SIMPLE BRIDGE APPROACH BARRIER CONCEPTS**