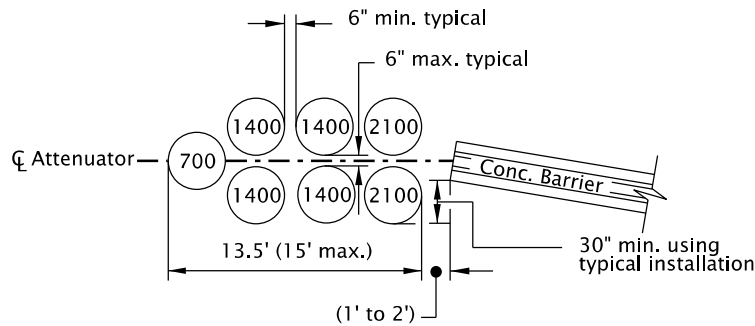
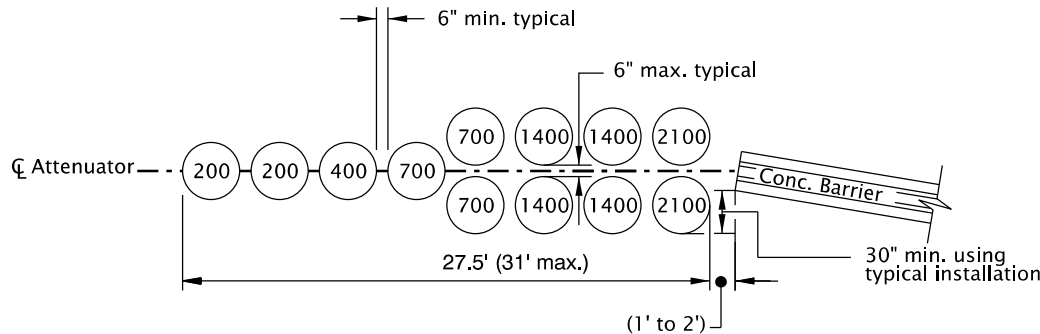
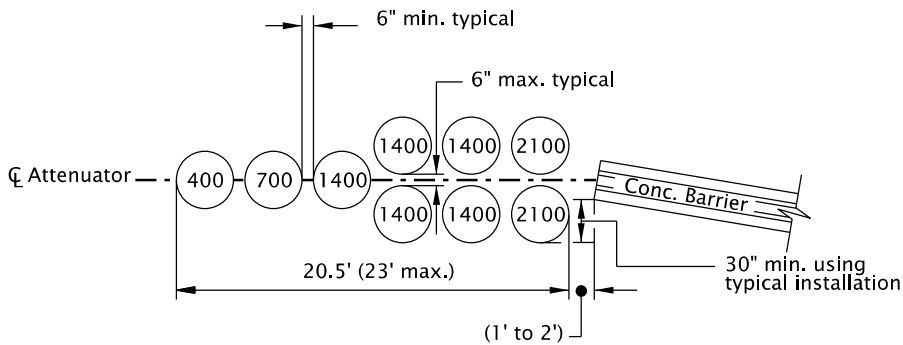




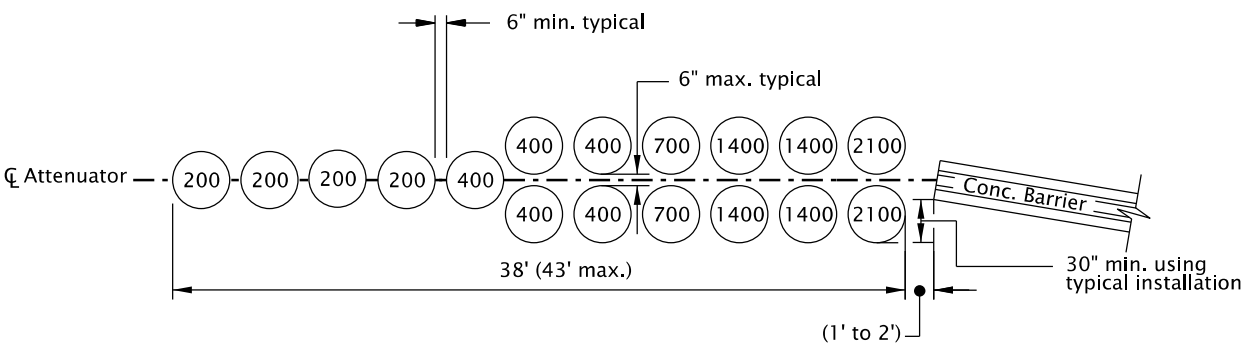
35 mph Layout



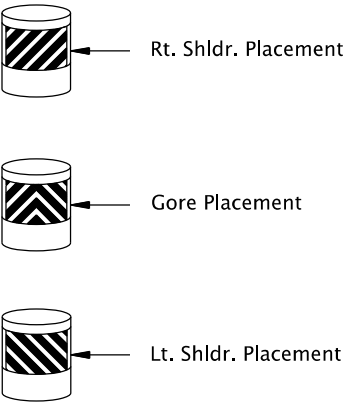
55 mph Layout



45 mph Layout



70 mph Layout



OBJECT MARKERS

GENERAL NOTES FOR ALL DETAILS:

- Use the appropriate layout configuration based on the pre-construction posted speed, as approved by the Engineer.
- For posted speeds not shown, use the next higher speed for attenuator selection.
- Use Temporary Impact Attenuator from the QPL. Typical outside diameter of each module is 36".
- Typical attenuator layouts shown. Layouts may vary by both speed and manufacturer. Number shown within each module is mass of dry sand in pounds.
- Final alignment of attenuator will be established in the field, as directed. At locations where vibrations and surface slopes may cause modules to shift, modules shall be anchored to prevent movement according to manufacturer's instructions and as approved by the engineer.
- The leading module of each attenuator shall be delineated with the appropriate object marker, as shown above.
- The object marker shall be 1/16" thick aluminum sheeting approx. 24" wide, 30" deep, and covered with yellow encapsulated lens sheeting. Black stripes 5" wide shall be silk-screened on the sheeting at a 45° slope and with 4" space between stripes.
- In cold climates, mix sand with 5% rock salt by weight to prevent freezing.
- To be accompanied by Dwg. No. TM833.

Single Barrier
TEMPORARY IMPACT ATTENUATOR LAYOUTS

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS			
2024			
DATE	REVISION DESCRIPTION		
CALC. BOOK NO.	N/A	SDR DATE	01-JUL-2020
			TM831