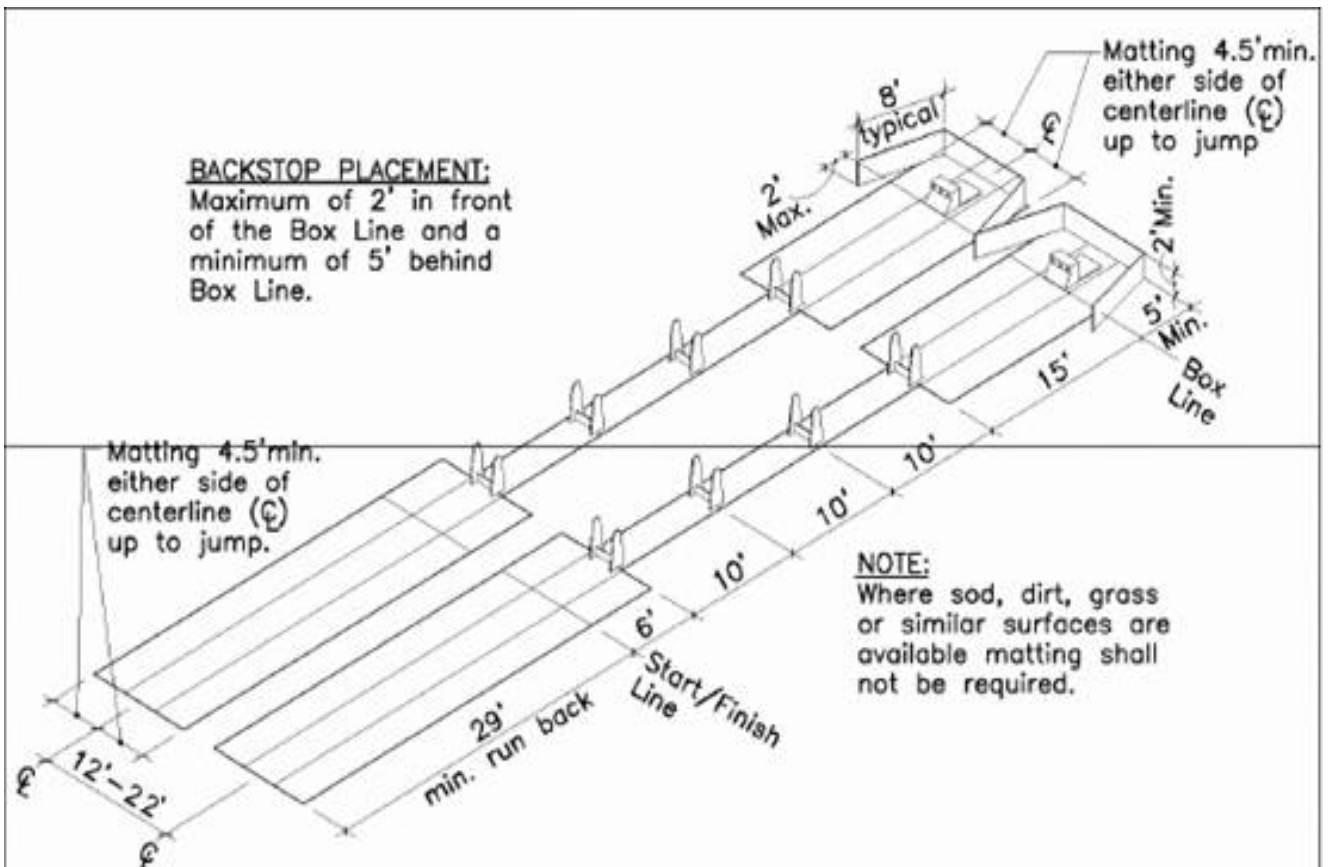Appendix D Typical Ring Set