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**APPENDIX H**

### **ADOT&PF BEST MANAGEMENT PRACTICES**

1. **Construction camps shall be located at upland sites whenever practical.**
2. **Materials stored for use in the construction project shall be stored at an upland site and out of floodplains.**
3. **Excavated materials shall be disposed of at upland sites unless otherwise approved.**
4. **Existing access trail, natural corridors, pipeline rights-of-way, and ditches shall be utilized whenever possible.**
5. **"Dry" dredging, leaving a dike or earth plug between open water and dredge area, is required.**
6. **Drainage of an area that is hydrologically linked with, or in close proximity to, other wetland areas shall be avoided if out of permitted area.**
7. **Diverted or construction-related water shall not be directed into receiving waters unless sediment retention structures and water quality control devices are used prior to discharge.**
8. **Channelization shall be restricted to existing stream channels or to existing drainage ditches unless otherwise shown on the plans.**
9. **Culverts shall be installed such that they do not create a barrier to fish in designated fish waters under all flow conditions.**
10. **The duration and area of exposed soil shall be minimized to reduce erosion potential.**
11. **Existing drainage patterns shall be retained by installing culverts or other drainage features.**
12. **Soils or fill shall not be placed near streambanks where it may be transported into the watercourse.**
13. **Where feasible, tracked vehicles shall be used rather than wheeled vehicles to reduce the impact on soils.**
14. **For projects within the Municipality of Anchorage, vegetation shall be retained along the shorelines of all waterbodies and ephemeral drainages per AMC 21.45.210. Hand clearing is recommended whenever possible to minimize loss of natural vegetation.**
15. **Runoff from the site after project completion shall have the same water quality as would have occurred following rainfall under preconstruction conditions.**

16. Erosion and sedimentation control devices shall be installed between the construction area and water bodies, watercourses, and wetlands prior to grading, cutting, or filling.
17. Land cleared for development and upon which construction has not commenced shall be protected from erosion by appropriate techniques designed to stabilize soils and revegetate the area.
18. Limit equipment encroachment within the floodplain of any watercourse to that necessary to complete the project.
19. Do not service construction equipment within floodplains or runoff zones.
20. Do not wash equipment in water bodies or in floodplains.
21. Permanent and temporary storage of petroleum products shall be kept a minimum of 100 feet from wetlands or waterbodies. Spill containment and cleanup supplies shall be stored within a 15-minute transport time to spill sites.
22. Permanent and temporary storage of excavated or fill materials must be placed at least 25 feet from wetlands or waterbodies unless otherwise stipulated in the contract.
23. Stream crossings that require channel diversions shall use the culvert "flume" technique as developed by ADF&G, unless otherwise approved by the Engineer. Flumes will be armored at inlet and outlet with rock or sandbags and will include a culvert(s) large enough to pass peak normal flows. Stream channel restoration includes regrading banks, gravel lined channels, and revegetating banks (25 feet per side) with native materials. Erodible materials shall not be exposed to flowing water during construction.
24. Vegetation removal in wetlands, for the purpose of clearing only, should be accomplished by hand clearing rather than hydroaxing.