

Copper River Watershed Habitat Enhancement Project
Cordova EVOS Site COP 43, 44, and 45
95% Plans and Specifications Review Comments
Steve McGroarty
November 15, 2019

Plans:

Sheet C-101:

- Typical Culvert Section –

- o The Subbase, Grading F culvert backfill layer that should surround the full perimeter of the culvert; and was shown in the 65% plans; has been eliminated. The culvert backfill should be Subbase, Grading F for a minimum of 18 inches around the perimeter of the culvert.

- On the plan redline and comments no. 14 by ADOT&PF-Artem, what we understand is to eliminate the 18" perimeter Subbase grading F. We'll put back if that is the decision of the team.

- o Note 1 – states "Excavated material may be used for Fill Material, Type A as approved by the Engineer, provided it conforms to 703-2.07-2 Selected Material, Type B." Note 1 has been changed, but not as recommended in comments on the 65% Plan Set. The Typical Section was modified to eliminate Selected Material, Type B. If you deleted the Selected Material, Type B to simplify the typical section by eliminating a material type this is OK, but may be more restrictive than necessary. Note # 1 should be modified as follows: "Excavated material may be used for Selected Material, Type A located a minimum of 30 inches below the road surface, as approved by the Engineer, provided it conforms to 703-2.07-3 Selected Material, Type C."

- This note 1 Excavated material may be used for Fill Material, Type A as approved by the Engineer, provided it conforms to 703-2.07-2 Selected Material, Type B." is what Artem put on the plan redline.

- Type B was changed to Type A as per red line and comments No. 14 from Artem.
- Revision of the note will be discussed in the meeting.

- o Note 4 requires coarse and fine materials (culvert filling) to follow the gradation noted in table 1 and 2 respectively. These gradations appear unnecessarily restrictive, difficult to adjudicate in the field and may be more expensive than is necessary.

- This note was used in previous USFWS fish passage projects and will be discussed in the meeting.