



## Lower Mill Grade and Pave Project Clarification #1

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**Issued: Friday, August 16, 2019**

### **See questions and answers asked by potential bidders:**

Q 1. There are 2 sanitary clean outs, which one is being extended?

**A 1. *Extend both cleanouts approximately 8 feet to the South. Field verify location and placement before work is performed.***

Q2. What is the depth of the rip rap?

**A2. *12 inches***

Q3. What is the quantity of rip rap?

**A3. *720 Sf. (See Note 5 on Sheet C4 and Note 8 on C6 of Engineering Plan Set) Addendum #1 includes a new bid sheet showing the correct quantity.***

Q4. Define the 3" - material and where it will be placed?

**A4. *The 3" - material is being taken out of the specifications. The material for all areas will be 1.5"-. Addendum #1 will have a new bid sheet that will reflect this change. A13 for additional clarification.***

Q5. Where is structural fill used and embankment fill?

**A5. *See A4 above. Additionally, Area 1 is just grading and cut, Area 2 will require some imported material (embankment fill) and Area 3 is the wetland fill area.***

Q6. Can the dewatering water be input into the existing ditch?

**A6. *Yes.***

Q7. Can we use the water from the hydrants for water trucks?

**A7. *Yes. This will require coordination with Crystal Springs Water district 5 days in advance of the need for water. CSWD will install a flow meter on the hydrant for the Contractors use.***

Q8. Can we combine the cleared material (i.e. brush and trees) with the unsuitable excavated material from the wetland?

**A8. *No. The biomass material (wood, trees and shrubs) needs to be kept separate from the unsuitable subgrade material and stockpiled in separate areas per the plans.***

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Q 9. The typical ditch section does not fit the actual conditions on site. We are 4-5' deep not 2'. The ditch section along the road would have to be considerably deeper than indicated. Do we just move the road over to allow for deeper ditch? What are we building?

*A 9: The ditch shall be constructed to the standard detail on page C7 of the plans. The culvert invert shown in the section view on sheet C6 is at 695.1'. A correction will be shown on the updated Engineering Plan Set before project start.*

Q 10. Bid Item 4.1 General Excavation 16,350 CY: When compared to Table for estimated earthwork, page 11 of the specials, we don't understand how they relate. Can you explain?

*A10: 16,350 CY is the total amount of material to be moved around the site. This value is intended to be used for estimating operational excavation costs, not material costs. Calculation: 350 CY (Suitable Cut from Roadway Area) +3500 CY (Suitable fill generated in Area 1)+2000 CY (Topsoil Removed from Area 2)+3200 CY (Unsuitable material removed from wetland)+7300 CY (Suitable fill needed from import to bring wetland area up to grade)=16,350 CY*

Q 11. Table for estimated earthwork, page 11 of the specials, does not show an Area 3. Where is Area 3 accounted for in the table?

*A10: Area 3 estimates are included within in Area 2 for the volume calculations in the Special Provisions (denoted as 'Wetland Area'). Area 3 has been defined to specify survey locations.*

Q 12. From page 12 of specials Section 00331.10 Material b) Material shall conform to 00330.15. "Selected Stone Backfill" which is a 6" - material.

*A 12: Section 330.15 Selected Stone Backfill states that no particle greater than 6" shall be used as backfill. The intention in adding 330.15 to the project spec is to give some guidelines as to what sort of material can be used as backfill in this project.*

Q 13. We also have from page 9 a "Wetland Structural Fill" which is a 3" – material. We also have from page 9 a "Imported Structural Fill" with its own gradation (1.5" - .5"). From page 11 Table we have an "Engineer stabilization material" with no apparent specification. From the proposal we have "Imported structural fill-wetland" and "Imported structural fill-general grading". From sheet C5 we have section A-A that shows 3" - crushed rock and 1.5" - crushed rock. Can you name the like materials the same and give one specification for each?

*A 13. For simplification, this project shall use 1.5" Minus for the wetland fill and omit the previously specified 3" Minus material. There are three types of material in grading portion of the project: 1. Unsuitable material which is either excavated out of the wetland or exists in stockpiles on the site. 2. Suitable embankment fill which is either existing onsite stockpile material or on-site material produced from grading operations. 3. Imported Structural fill (1.5"-0), which will be used for both areas 2 and 3. Please see explanation below:*

## Clarification of material to be used in Wetland Stabilization Area:

*After speaking with our geotechnical engineer, the 3"- 0 crushed rock material will be omitted from the wetland stabilization area. Instead, the area will be filled with 1.5"-0 material exclusively. Reference the material specifications in table 02630-1 of the Oregon Standard Specifications for Construction. Proof roll and visual inspection will be required to confirm material compaction. The Special Provisions and Engineering Plan Set will be updated accordingly before project start.*