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From: April Abate
To: Priscilla Burton
CC: OGMCOAL@utah.gov
Date: 6/22/2009 1:17 PM
Subject: Re: Fwd: Task 3265 White Oak Reclamation Project
Place: OGMCOAL@utah.gov
Attachments: April Abate.vcf

Priscilla,

I'm sorry that I did not get back to you in time for the deadline. I had to be of the office on Thursday morning dealing with personal matters. As you can see by the email I copied you on for Rick Wilde, I did submit the application packet for the stream alteration permit today. Dana signed off on it last Wednesday and she did not have any significant comments other than asking why we extended the date into 2011. I told her we felt that to be a more realistic date.

As far as the engineering design calculations go for the correct sizing of the stream design channel calculations, I attempted to look up the information in the previous MRP and the documents you provided to me. Based on the information I reviewed, it became clear that these designs are all done by professional engineers using professional engineering software to perform the calculations. I am not a professional engineer and I strongly feel that if this work is to be done right, it should be done under the guidance of a P.E. who is experienced in stream channel design work. I realize that this would be an additional expense, however, I feel that it is critical and well worth the money if this is to be done properly (the second time). I would be willing to shop some firms and obtain bids.

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>>> Priscilla Burton 6/15/2009 2:41 PM >>>
Just wanted to remind you to finish up this task this week. Since you all are going bowling, that may mean finishing on Wed. or Thurs a.m. I will take your information and put it into contract form. Please send me an email when you have completed this task and let me know where to find the requested information.
Thanks.

>>> Priscilla Burton Thursday, June 04, 2009 12:20 PM >>>
This task is a little different than normal, in that we are not producing tech memos for a TA, but we are producing project specifications to let a contract.

The completed project specifications are due June 19. We have agreed on the locations and approach of stream channel work and the construction and revegetation of several terraces within the site. We have agreed on the use of the terraces to function as access during the work and to direct flow after the work. We have agreed on the use of mulch and slash cover. Slash will be an integral component of reconstructed channel and the bermed terraces and will be laid upon the banks of the stable portions of the channel to provide shade and promote seedling growth.

I would like the following by June 19 :

From Dave geology assignment: gps locations of the major and minor sink holes, the terraces, etc. A confirmation of the depth to bedrock in the location of the steepest grade of the stream channel (approx. 300 ft. south of the northern permit boundary) to determine whether we can excavate down to bedrock in that location.

From April hydrology assignment: gps locations of sink holes and drop structures etc. Confirmation that the existing reclaimed side channel (running east to west by the sink hole) can handle the additional flow that two upper terraces would bring to the channel. (The lower terrace will be routed to the main channel). Confirmation of the flows that the main channel is required to handle, from SNOTEL or other sources. (The MRP indicates 32.2 cfs.) Using that information, evaluate the proposed drop and ladder structures and the proposed widened channel width for adequacy. A final draft of the stream alteration permit.

From Pete engineering assignment: methods and specifications for filling the sink hole, including the capability of the void to be

used for trash burial. Methods for two smaller voids along stream channel as well. Requirements for access (road gradient, width) of equipment to the sink hole and steepest channel reach, including equipment used to salvage and haul substitute topsoil out of the lowest channel reach. And a description of work that is recommend on the culverts and surface of the paved access road.

From Joe biology assignment: A recommended seed mix for terraces (and adjacent areas that may be hydroseeded from these terraces. Lets include Triticale.). Recommended shrub seedling to be hand plants along berms of terraces and a dozen serious gullies. A recommended seed mix and list of cuttings and seedlings to be planted along the length of the stream channel. Preference on mulch, if any.

I will estimate the requirements for topsoil along the proposed terraces and construction access ways. I will evaluate the volume of substitute topsoil available from the lowest stream channel reach. I will check that we are using the most recent topography available.