



ANDERSON ENGINEERING AND SURVEYING, INC.

PROFESSIONAL ENGINEERS AND LAND SURVEYORS

17681 Hwy 395, Lakeview, Oregon 97630
(541) 947-4407 Fax (541) 947-2321

www.andersonengineering.com

PROJECT INSPECTION REPORT

PROJECT NAME: Crescent Wastewater Treatment Facility

DATE AND TIME: 2/14/19 11:30 AM

WEATHER: High 30s, low 40s. Rainy.

TRADES ON JOB: Excavation and Earthworks

LOCATION: Site of the Wastewater Treatment Facility

COMMENTS:

The site was being excavated in an efficient and organized manner, compliant with environmental regulations and requirements. The pond and lagoons are to grade and baring minor clean-up, finished for this point of the project. There are a few issues that need to be immediately addressed this week in order for this project to continue to move forward. Of most import, the native pumice sands and minor gravel that makes up the majority of the available materials, does not have the tension to support the structure of the berms in the long term. Anderson Engineering is currently working with Bob's Excavation to figure out a solution to this issue that will be most cost effective and efficient. The silt fence along the north boundary of the facility site will need to be moved. The current location is ~1' from the toe of storage pond berm. This location does not provide adequate lateral support to build up the berm. The silt fence will be moved approximately 20' to the north, still leaving more than 20' of trees and cover along the northern facility boundary between the cyclone fence and the toe of berm. Staking for the cross-flow structures between the lagoons and for the chlorinator itself will occur next week, will construction on those portions of the facility beginning the following week. The line is marked and partially grubbed for the irrigation main line. The line for the water/sewer/electric services from Pinney Lane to through the Sanders' easement is marked. If the facility site construction is delayed due to berm stability issues, Bob's excavation will beginning clearing the Sanders' easement line instead.



Figure 1: Exposed cut of the native stratigraphy. Note the predominance of pumice sands and gravels and paucity of fine-grained materials.



Figure 2: Looking north at the berm between the western lagoon and the storage pond. This area has been compacted to over 90%. Note the tire marks and slump forming at the sides of the berm.



Figure 3: Looking north at the silt fence. Silt fence is approximately 47' south of the property boundary.



Figure 4: Looking northwest at the storage pond. Note the staging of build up materials. The “darker” piles consist of a lithology more amenable to supporting the berms.



Figure 5: Looking west at the grubbed irrigation main line.



Figure 6: Looking west at the corner of the western lagoon, with the separation berm and storage pond in the background.

INSPECTOR: Nicole Braudy

COPIES TO: Crescent Sanitary District, Bob's Excavation