

Date : 01/26/2023
Project No : 2021C078
Client Company : CCG Constructors LLC (Century)
Arrival Time : 01/26/2023 09:00
Onsite Hours : 05:00

ASEC Report ID : 56477
Name of the Project : Pickens Landing Development
Project Location : Dacula, GA
Weather : sunny
Departure Time : 01/26/2023 14:00
ASEC Technician Name : Vidal Dias

AS ENGINEERING AND CONSULTING representative visited the site at the client's request to evaluate the subgrade soils on Lot #4. The surface soils were saturated due to recent heavy rains. The client expressed concern regarding the eastern section of Lot #4, which is parallel to the stream. Probing the area revealed unconsolidated soft soils in the upper 6 inches. Four DCP tests were performed to investigate the extent of the unconsolidated areas. The DCP locations are highlighted on the attached drawing.

Fill soils consist of soft unconsolidated tan, red, and orange sandy clays. During the DCP evaluation, N-values of less than three were encountered in DCP A, DCP-A1, and DCP A2 in the top 3 feet. Excessive amounts of organics were not encountered in these locations indicating the material used to build this embankment was acceptable. The low blow counts noticed may be a result of poor consolidation in these areas during placement.

Our recommendation is to remove the top 3 feet of the soils in this area (20 feet X 75 feet) as indicated in the attached drawing and replacing with structural fill. Proper compaction procedures are to be followed and area be monitored and tested during this repair.

N-values of 6 and above were encountered at DCP-A3 and DCP-A5. This area appears to be acceptable for a load of 2500 psf.

Please see the attached sketch and DCP log for the work performed.

Mr. Ram Mogulla, P.E. with ASEC was notified of the results and provided the client with details regarding remediation.



Ramchandra R. Mogulla
GA P.E. 036021
Senior Engineer

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