

Date : 08/07/2025
Project No : 2025C216
Client Company : Artisan
Arrival Time : 08/07/2025 10:00
Onsite Hours : 08:00

ASEC Report ID : 84278
Name of the Project : NW (Lots) Unit 4 PH 1A & 1B
Project Location : Dallas
Weather : Sunny
Departure Time : 08/07/2025 18:00
ASEC Technician Name : Safiullah Momand

As requested, the site was visited by our AS Engineering and Consulting (ASEC) representative for the purpose of providing quality control inspection and testing services. Visual observation techniques were employed to verify compliance with project drawing/specifications, applicable codes, and materials submittals. The following observations were observed on site this day.

Construction Activities Monitoring Report

On the mentioned date, the AS Engineering and Consulting LLC engineering representative was responsible for monitoring the construction activities in progress at the project site. The work took place from 08:00 AM until 06:00 PM and included the following activities:

- Embankment work in Lots #7-12
- Controlled blasting at 11:00 AM
- Mapping, patterning, and drilling of holes at Lots #17 and #18

1. Embankment Work

Embankment activities were ongoing in Lots #7, 8, 9, 10, 11, and 12 at -12ft, -17 ft, -18ft, -17ft, -12.5 ft and -10ft below the design grades of the lots. The rock sizes varied, with some boulders exceeding 2 feet in height. The ASEC representative recommended breaking down the oversized boulders into smaller, acceptable sizes as per specifications for stone pitching work. It was further advised to fill voids with fine material and compact each lift using a Caterpillar 815K roller.

A proof-roll test was performed using available tandem-axled dump trucks. During the proof-roll, a soft area measuring approximately 30 ft x 20 ft was observed to deflect under load. The technician recommended removing the soft material to a depth of 1-2 feet, backfilling with suitable fill material, and compacting. This corrective action was implemented and the subgrade in this area stabilized.

2. Blasting

At 11:00 AM, the blasting crew successfully carried out controlled blasting for holes drilled on August 1, 2025, between Manholes A4 and A5. Safety protocols were followed, and no incidents occurred.

3. Drilling at Lots #17 and #18

In the afternoon, the drilling crew began work at Lots #17 and #18, drilling holes spaced approximately 7 ft x 7 ft apart, continuing until 05:00 PM. The drilling results were as follows:

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- **Drill #1:** 12 holes, depth 16 ft, rock encountered at 1-4 ft
 - **Drill #2:** 18 holes, depth 16 ft, rock encountered at 0-1 ft
 - **Drill #3:** 29 holes, depth 16 ft, plus 5 holes at depth 11 ft, rock encountered at 0-4 ft

4. Equipment in Operation

The following machinery was used for the day's activities:

- 1 Dozer
- 2 Rollers
- 3 Trucks
- 2 Excavators
- 3 Drill machines

The work progressed smoothly, and all activities were completed without major issues.

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please feel free to contact us. We will be more than happy to discuss it with you.

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blasting working at the site



Blasting of mass rock



Blasting of mass rock



After blasting

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embankment work at lots



embankment work at lots



After blasting



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After blasting



embankment work at lots



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proof rolling work



probe rod of the pumping are



proof rolling work



Removing the pumping area soil

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proof rolling



drill in progress



backfilling work in lots

Kenneth Mosman

Kenneth Mosman

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