

# CONSTRUCTION OBSERVATION REPORT

<b>Date:</b> September 2, 2021	<b>Time On Site:</b> 4:00 PM	<b>Time Off Site:</b> 4:45 PM
<b>Project:</b> Middlebury River Flood Resiliency Project (15032.00002)		
<b>Observed By:</b> Roy Schiff		
<b>Weather:</b> Partly Sunny, $\pm 75^{\circ}\text{F}$ , flows average		

## Equipment / Operator

- CAT 235D Excavator – Markowski Excavation, Inc. (Goodro Lumber)
- CAT 980C Front-end Loader – Markowski Excavation, Inc. (Goodro Lumber)
- CAT 336EL Excavator – Markowski Excavation, Inc. (Goodro Lumber, being repaired)
- CAT D350E Off-Road Haul Unit – Markowski Excavation, Inc. (staged at Goodro Lumber)
- Volvo EC298 LC Excavator with Vibratory Hammer – Parent Construction, Inc.
- CAT 325CL Excavator – Markowski Excavation, Inc. (Grist Mill Road floodwall)
- CAT 259D Skid Steer – Markowski Excavation, Inc. (Grist Mill Road floodwall)
- On-Road Dump Trucks – Markowski Excavation, Inc.

## Personnel

- Tyler Truman (Site Superintendent / Operator) – Markowski Excavation, Inc.
- Dana Truman (Operator) – Markowski Excavation, Inc.
- 4-person Work Crew – Parent Construction, Inc.

## Construction Activity

- Removing tree at Grist Mill Road floodwall.
- Installing stone armor along the berm at Goodro Lumber work site.
- Installing steel sheeting at the Grist Mill Road floodwall.

## Design/Construction Notes

- Large boulders removed from sheeting area. Shheeting was able to drive through some of the areas where trenching was not possible.
- Contractor had questions on fill to be placed along existing wall.
  - Shear studs are not required on existing wall since concrete will be poured against sheeting.
  - Cavity along existing wall footing is larger than expected in some areas. Concrete fill to extend 1 foot above footing. Minimum concrete thickness is 3 feet. Use 3/4 -inch to 1 ¼-inch stone to in bottom of trench and then concrete. Be sure stone and concrete fill voids around wall.
  - If sheets are within 6 inches of target concrete elevation and adjacent sheets ok to not cut
- Bats or guano not observed during removal of tree #1.

## Compliance Notes

- Project limit tape properly installed.
- Traffic control signs properly posted.
- No discharge of turbid water observed.

### Schedule

- Continue sheeting install in new wall area.
- Continue and complete work at Goodros in next week.

### Photographs



**Figure 1: Driven sheeting.**





***Figure 2: Close-up of driven sheeting.***