

February 7, 2019

Re: Brennan Dam Repair
Mobilization and Management Plan

Reference Sequence of Construction provided in the SWPPP and Brook Diversion procedure.

The intent is to utilize the existing driveway between the culvert bridge, past the houses to the open disposal field behind the barn.

Step 1

Erosion control installation completed including turbidity curtain at dam.

Step 2

Pre-construction inspection of transport driveway with shoulder stabilization as required. Construct gravel driveway from asphalt to disposal area.

Required driveway inspections during operation; once per week. Inspect all shoulders, clean driveway of debris. If sediment is discharging from trucks – silt fence along south side of driveway may be required to contain sediment. If cold weather conditions result in ice build-up – sand only application can be applied.

Step 3

1. Contractor to dredge pond (long reach excavators) at location noted on site plan (depth indicated to granular base material)
2. Three trucks proposed to transport excavated material to disposal area. Single truck – 9:00 am – 4:00 can provide transport.

Anticipated work duration - 2 days.

Step 4

Porto Dam installation #1 – Truck access from Broad Street.

Step 5

Excavate and install drain down valve and discharge pipe per plans. Truck delivery from Broad Street – No bridge crossing with delivery trucks. Excavated material stockpiled for re-use in pond.
Anticipated work duration – 5 days.

Step 6 - Channel Dredging

Set excavator at channel. 5 trucks total with 2 at excavation; fill every 15 min.

One truck running the driveway, 2 trucks at excavation and 2 at dewatering area, tri-axle – 20 yards permitted. Anticipated work duration – 10 days.

Step 7

Temporary channel liner provided by PortaDam from Broad St., install and open channel for stream main diversion.

Step 8

Excavate new dam location to bedrock. Due to close proximity to existing stone dam lateral supports to dam face can be extended to box culvert bridge on the site. Truck trips from east side of dam to disposal area. (2) trucks are adequate for transport.

Anticipated work duration – 3 days (based upon excavator efficiency)

Step 9

Pour concrete dam following Mass Concrete Standards of ACI Code as continuous pour. All concrete enters site from Ridge St. driveway entrance. Close off box culvert bridge to prevent any truck traffic. Pour is pumped into forms across the divide between the truck areas, and the dam site with protection in place to collect all concrete spills. Wash out location noted on site plan.

Step 10

Once dam completed and backfilled close off channel with PortaDam and move the stockpiled materials from the dewatering area back into the channel area. (3) trucks total with compaction of a 12" maximum depth lifts. This process limits truck trips across the site. Anticipated duration: 20 days.

Step 11

Final topsoil and grading with seed and mulch. Repair driveway across temp channel excavation with new Item #4 and asphalt.

Paving company can enter from Broad Street.

Step 12

Fill all ruts along the driveway. Keep access road to disposal area in place – seed.

Inspect and patch, if required, any distressed edge of pavement.

Sweep driveway of all materials, dispose of collected materials within disposal area.

Seed and mulch as required roadway shoulder.

Sign in



Rte 20

Willoway St

House of Baecston

Coinstar

Broad St

2200 Saw Mill River Road

Brockside Elementary School

Broad St

Disposal

DMM

Ridge St

Ridge St

Ridge St

Van Cortlandt Cr

Parker Ln

Parker Ln

Satellite



Zoom Show slider