Environmental Monitor Construction Site Inspection Report MassDOT Project #608164 Construction Contract # 119678 EM Report #44

Project Description: Bruce Freeman Rail Trail Right-of-Way

Permit Description(s): Order of Conditions (MGL Chapter 131, Section 40 and 310 CMR 10.00, Mass DEP File No. 301-1362); 2022 EPA NPDES General Permit for Discharges from Construction Areas; U.S. Army Corps of Engineers Permit No NAE-2021-01975.

I. General Project Information

Project Name: Bruce Freeman Rail Trail - Phase 2d - Sudbury				
Date of Inspections:	1/15/2025			
Bi Weekly/ Monthly Period Covered: January Weekly Inspection #3				
Inspector's Name(s):	Anna Haznar			
Inspectors' Contact Information:	sharmar@hats inc.com			

II. Weather Information Inspection #2 Inspection #1 Inspection #3 Inspection #4 Inspection #5 Inspection #6 Inspector: Jonathan Niro Inspector: Anna Haznar Inspector: Anna Haznar Inspector: Inspector: Inspector: 1/2/2025 1/9/2025 1/15/2025 Type of Inspection (i.e. non-storm event, prestorm event, during-storm event or post-Post-storm Non-storm Non-storm storm event): Number of days since last rain event greater 1 than .25" Has there been a storm event since the last Yes No No inspection? If yes, please provide storm start date, storm duration, and approx amount of precipitation: Storm 1: January 1st (7 hours 1.5") Storm 2: Storm 3: Storm 4: Weather at the time of inspection (i.e. clear, overcast, cloudy, rain, sleet, fog, snow, Clear Overcast with snow flurries Clear windy): Temperature: 36 22 29 Unusual Conditions (drought, severe storm): Approximately 2" of snow cover Have any discharges occurred since the last No Yes No inspection report? If yes, please describe: Erosion of exposed soils has resulted in a discharge to the stream at Station 216+50

Note: Inspections should only be conducted on days during work hours while RE or ARE is onsite. The EM should contact the RE to address any immediate corrective actions.

III. General Description of Construction Status

1/2/2025 - At the time of the Site visit, no work was occurring.

1/9/2025 - At the time of the Site visit, no work was occurring.

1/15/2025 - At the time of the Site visit, no work was occurring.

		IV. Status of Existing BMPs					
Control Measure (These are examples; list	Comments/Recommendations from the FM						
measures specific to the project)	no n/a)	Comments recommendations from the Livi					
Perimeter Controls	Yes	Perimeter erosion and sedimentation control measures were installed at the commencement of the Project and are in varying conditions across the Site; however, they were generally observed to be degraded. Perimeter controls were generally in degraded condition along culverts, streams, and cattle crossings. New perimeter controls were added on 6/27/2024 at Stations 310+00 through 311+00 as requested. New erosion controls have been installed between the path and the crushed stone shoulders at Station 216+00 to 217+50. Areas that still require stabilization do not appear to be at risk for erosion due to surrounding vegetation upgradient of Resource Areas, with the exception of the slopes along the stream at Station 215+00 to 217+00.					
Inlet Protection Measures	No						
Stabilized Construction Entrances	No						
Stockpile Protections	No						
Dust Control	No						
Street Sweeping	Yes	Crushed stone was observed on the path throughout the Project in varying volumes.					
Dewatering Controls	No						
Construction Equipment and Material Storage	No						
Construction and Domestic Waste Storage	No						
and Collection	NO						
Location of Sanitary Waste Facilities	No						
Washout Areas	No						
Fertilizers, Herbicides, and Landscape	N/A						
Stabilization of Exposed Soil	Voc	Varying degrees of stabilization are present within areas that were constructed/graded as part of the Project. Seed has been applied to multiple locations of exposed soil throughout the path. Erosion control blankets have been installed on the slope near Station 165+00 to 167+00 and Station 217+45. Loam that was applied to the streambank at Station 215+00 to 217+00 requires further stabilization. and erosion has occurred in this location. Due to the time of year, non-vegetative stabilization (i.e. erosion control netting) is recommended.					
Overall Adherence to Environmental Permits	Yes	As noted in Action Items 41 and 42, it appears that work has been conducted beyond the limits of work approved under the Order of Conditions. These areas will require coordination amongst the Project Team to confirm if any restoration is required. A Site walk was conducted with BETA staff, MassDOT staff and the Conservation Agent on 11/19/2024 to discuss potential resolutions for compliance issues.					
	Note: Use station numbers, wetland ID or other means to determine locations of BMP's that need repairs.						

V. Compliance Table - Compliance Action Items

V. 1. Compliance Action Items Observed During the One Month Reporting Period Ending [January 31, 2025].

Current Open and Closed Compliance Action Items Observed During the Reporting Period Ending [June 30, 2024]. For those items within the most current two week period, color the Item in blue, as shown on lines 48-50 as an example. RED text indicates that the item is outstanding. Once item is resolved, place resolution date in 'Recommended Resolution/Resolution Date' column, convert to BLACK text, and move to the bottom of the Action Item list. Place resolution date on TOP of resolution action. Each Compliance Action Item is assigned a unique number only to be used to reference that item for the duration of the project. Separate but related Action Items will be labeled in an "Item Number-1 and Item Number-2" manner or similar. Completed action items can be removed once they have appeared in the Bi-Weekly Report to MassDEP

"<u>Urgent</u>" - Needs to be completed immediately, "<u>High</u>" - Needs to be completed within 7 days and has short-term potential to impact resource areas, "<u>Low</u>" - Needs to be completed within 7 days with minimal potential to impact resource areas

Item	Location/ Description	Observation Date	Resolution Due Date	Recommended Resolution / Resolution Date	Comments/Updates
62	Loam and seed was applied to the streambank at Station 216+00 to 217+00 and requires further stabilization Priority: High	11/25/2024	12/2/2024	An erosion control blanket should be installed along this slope.	12/2/2024 - Loam and seed have been applied to the streambank at Station 215+00. Stabilization is required at Stations 215+00 to 217+00. 12/6/2024 - Observation remains. See previous update. 12/12/2024 - Observation remains. Rill erosion was observed within the loam applied to this area from Station 215+00 to 216+00. 12/20/2024 - Observation remains. Loam has begun to erode, resulting in a discharge to the stream at Station 216+50. 12/26/2024 - Observation remains. No further discharge was observed in this location. 12/31/2024 - Observation remains. Additional loam has eroded resulting in a discharge to the stream at Station 216+50. 12/2025 - Observation remains. No further discharge was observed in this location. 1/9/2025 - Observation remains. Straw was observed to have been placed along portions of the streambank; however, this area should be stabilized using an erosion control blanket. 1/15/2025 - Observation remains. Erosion causing a discharge of loam and straw into the stream was observed at Station 216+50.
53	Stone was observed requiring removal from the swale on the east side of the trail at Station 172+00 to 173+00 Priority: High	7/29/2024	8/6/2024	Remove stone from the swale.	8/5/2024 - Observation remains. 8/12/2024 - Observation remains. 8/12/2024 - Observation remains. Material was observed to have migrated within the swale to Station 173+50. 8/16/2024 - Stone is still present within the swale. 8/20/2024 - Observation remains. Crushed stone has migrated further down the swale to Station 171+50. 8/27/2024 - Observation remains. Stone is still present within the swale. 9/3/2024 - Observation remains. Stone is still present within the swale. 9/16/2024 - Observation remains. Stone is still present within the swale. 9/16/2024 - Observation remains. The contractor indicated that the stone within the swale would be hand removed. 9/23/2024 - Observation remains. It appears as though some stone has migrated further south down the swale. 10/4/2024 - Observation remains. It appears as though some stone has migrated further south down the swale. 10/4/2024 - Observation remains. Stone is still present within the swale. 10/8/2024 - Observation remains. 10/15/2024 - Observation remains. Stone is covered with vegetation in some areas. 10/29/2024 - Observation remains. 11/2/2024 - Observation remains. 11/12/2024 - Observation remains. 11/12/2024 - Observation remains. 11/12/2024 - Observation remains. 11/12/2024 - See previous update. 11/12/2024 - Observation remains. Stone is still present within the swale and requires removal. Leaf litter is currently covering a majority of the stone. 11/25/2024 - Observation remains. Stone is present within the swale under the leaf litter. 11/26/2024 - Observation remains. Stone is present within the swale under the leaf litter. 11/26/2024 - Observation remains. Stone is present within the swale under the leaf litter. 11/26/2024 - Observation remains. Stone is present within the swale under the leaf litter. 11/26/2024 - Observation remains. Stone is present within the swale under the leaf litter. 11/26/2024 - Observation remains. Stone is present within the swale under the leaf litter. 11/26/2025 - Observation remains. Stone is present within the swale under t

Slope stabilization required due to conditio of compost filter tubes at Station 265+50 at 273+00 Priority: High	d 6/7/2024	6/14/2024	Stabilize the slope with the approved seed mixture and provide interim stabilization such as straw mulch.	6/14/2024 - Observation remains. 6/17/2024 - Observation remains. 6/24/2024 - Observation remains. 6/24/2024 - Observation remains. 6/27/2024 - Observation remains. 7/8/2024 - Observation remains. 7/15/2024 - This area could not be assessed due to paving operations ongoing during the inspection. 7/22/2024 - Observation remains. 8/5/2024 - Observation remains. 8/5/2024 - Observation remains. 8/7/2024 - Observation remains. 8/7/2024 - Observation remains. 8/16/2024 - Observation remains. 8/16/2024 - Observation remains. 8/16/2024 - Observation remains. 8/16/2024 - Observation remains. 8/20/2024 - Observation remains. 9/20/2024 - Observation remains. 9/3/2024 - Observation remains. Negremination has been observed. 10/8/2024 - Observation remains. No germination has been observed. 10/25/2024 - Observation remains. So germination has been observed. 10/25/2024 - Observation remains. So germination has been observed. 11/5/2024 - Observation remains. See previous update. 11/12/2024 - Observation remains. See previous updates. 11/12/2024 - Observation remains. See previous updates. 11/12/2024 - Observation remains. See previous updates. 11/26/2024 - Observation remains. 12/26/2024 - Observation remains.
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34	Sediment is eroding downhill from behind the cemented stone masonry wall at Station 217+45 Priority: Low	5/28/2024	6/4/2024	Apply seed and temporarily stabilize the soils along the slope with straw, jute netting, etc.	5/31/2024 - Observation remains. 6/17/2024 - Observation remains. 6/27/2024 - Observation remains. 6/27/2024 - Observation remains. 6/28/2024 - Observation remains. Grass was observed to be germinating at this location. Comment will remain open until stabilization is complete. 7/18/2024 - See previous update. 7/15/2024 - Additional hydroseed is required due to washouts. 7/22/2024 - Observation remains. 8/5/2024 - Observation remains. 8/1/2024 - Observation remains. 8/12/2024 - Observation remains. 8/12/2024 - Observation remains. 8/12/2024 - Observation remains. 8/12/2024 - Observation remains. 8/20/2024 - Observation remains. 8/20/2024 - Observation remains. 8/20/2024 - Observation remains. 8/20/2024 - Observation of the approved seed mixture is required at this location. 8/27/2024 - Observation of the approved seed mixture is required at this location. 8/27/2024 - Observation remains. 9/3/2024 - Vegetation that is present in this location generally consists of lady's thumb smartweed (*Persicaria maculoso*), a non-native species. Removal of non-native species and application of the approved seed mixture is required at this location remains. See update from 9/3/2024. 9/18/2024 - Observation remains. See update from 9/3/2024. 9/18/2024 - Observation remains. See update from 9/3/2024. 9/23/2024 - Observation remains. See update from 9/3/2024. 10/4/2024 - Observation remains. See update from 9/3/2024. 10/4/2024 - Observation remains. See update from 9/3/2024. 10/2/2024 - Observation remains. See update from 9/3/2024. 10/2
					11/19/2024 - Observation remains. 11/22/2024 - Observation remains. No germination has been observed in this location. 11/25/2024 - Observation remains. No germination has been observed in this location. 12/2/2024 - Observation remains. No germination has been observed in this location. 12/6/2024 - Observation remains. No germination has been observed in this location. 12/12/2024 - Observation remains. Some germination has been observed within this location. Observation will remain

Soil and organic debris has been placed within the wetland between wetland flagging W##23-119 and WF#23-118 at Station 224+00 Priority: High	5/21/2024	5/28/2024	Remove all material and provide stabilization of the area with the approved wetland seed mixture. Straw should also be placed for interim stabilization.	5/28/2024 - Observation remains. 5/31/2024 - Observation remains. 6/14/2024 - Observation remains. 6/24/2024 - Observation remains. 6/24/2024 - Observation remains. 6/24/2024 - Observation remains. The area was hydroseeded again. 7/8/2024 - Germination was observed and the area will be monitored for stabilization. 7/15/2024 - Observation remains. 7/29/2024 - Observation remains. 7/29/2024 - Observation remains. 8/5/2024 - Observation remains. 8/5/2024 - Observation remains. 8/5/2024 - Observation remains. 8/5/2024 - Observation remains. 8/12/2024 - Observation remains. 8/12/2024 - Observation remains. 8/12/2024 - Observation remains. 8/16/2024 - Observation remains. 8/16/2024 - Observation remains. 8/20/2024 - Debris is still present in wetland and requires removal. 8/12/2024 - Observation remains. 9/3/2024 - Debris is still present within the wetland. 8/27/2024 - Observation remains. 9/3/2024 - Debris is still present in the wetland and slopes upgradient of the wetland require stabilization. 9/10/2024 - Observation remains. 9/10/2024 - Observation remains. 9/10/2024 - Observation remains. Solis require stabilization at this location. 9/13/2024 - Observation remains. Hydroseed has not been applied to this area. 10/24/2024 - Observation remains. Hydroseed has not been applied to this area. 10/25/2024 - Observation remains. Hydroseed has not been applied to this area. 10/25/2024 - Observation remains. Hydroseed has not been applied to this area. 10/25/2024 - Observation remains. Hydroseed has not been applied to this area. 10/25/2024 - Observation remains. Hydroseed has not been applied to this area. 10/25/2024 - Observation remains. Hydroseed has not been applied to this area. 10/25/2024 - Observation remains. Hydroseed has not been applied to this area. 10/25/2024 - Observation remains. No germination has been observed in this area. 11/25/2024 - Observation remains. No germination
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43	Overtopped compost filter tubes and exposed soils beyond the limits of work at Station 105+00 Priority: High	6/7/2024	6/14/2024	Stabilize the area with the approved seed mixture and provide interim stabilization such as straw mulch.	6/14/2024 - Observation remains. 6/17/2024 - Observation remains. 6/17/2024 - Observation remains. 6/27/2024 - Observation remains. 7/8/2024 - Observation remains. 7/8/2024 - Observation remains. 7/15/2024 - Observation remains. 7/15/2024 - Observation remains. 7/22/2024 - Observation remains. 8/7/20204 - Observation remains. 8/7/2024 - Observation remains. 8/7/2024 - Observation remains. 8/7/2024 - Observation remains. 8/12/2024 - Observation remains. 8/16/2024 - Observation remains. 8/16/2024 - Observation of the approved seed mixture is required at this location. 8/27/2024 - Observation remains. 8/27/2024 - Observation remains. 8/10/2024 - Observation remains. 8/10/2024 - Observation remains. 9/10/2024 - Observation remains. 9/27/2024 - Observation remains. Sermination has not been observed. 10/15/2024 - Observation remains. Germination has not been observed. 10/15/2024 - Observation remains. Some germination has been observed but the area is not considered stabilized. 10/29/2024 - Observation remains. Some germination has been observed but the area is not considered stabilized. 11/29/2024 - Observation remains. Some germination has been observed but the area is not considered stabilized. 11/29/2024 - Observation remains. See gertain see that the area. 11/29/2024 - Observation remains. See update from 11/19/2024. 11/29/2025 - Observation remains. See update from 11/19/2024. 11/29/2025 - Observation remains. See update from 11/19/2024. 11/29/2025 - Observation remains. See u
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6	Exposed sediment slope at Station 172+00 to 175+00 Priority: High	5/8/2024	5/15/2024 Resolved: 1/2/2025	Install temporary sediment controls along the slope such as jute netting and/or straw following the application of seed.	5/16/2024 - Observation remains. 5/21/2024 - Observation remains. 5/21/2024 - Further earthwork has occurred and soils require stabilization. 6/17/2024 - Further earthwork has occurred and soils require stabilization. 6/17/2024 - Observation remains. 6/17/2024 - Observation remains. 6/24/2024 - Observation remains. 6/24/2024 - Observation remains. 6/24/2024 - Observation remains. 6/27/2024 - The area has been regraded and loam has been spread. New trees have been planted upgradient of the swale. Stabilization is still required. 7/8/2024 - Use netting has been installed over the applied seed, and the area will be monitored for germination. 7/15/2024 - Observation remains. 7/22/2024 - Observation remains. 8/5/2024 - Observation remains. 8/3/2024 - Observation of the approved seed mixture is required at this location. 8/3/2024 - Observation of the approved seed mixture is required at this location. 9/3/2024 - Vegetation that is present in this location generally consists of lady's thumb smartweed, a non-native species. Removal of non-native species and application of the approved seed mixture is required at this location. 9/16/2024 - Vegetation remains. See 9/3/2024 update. 9/23/2024 - Observation remains. The contractor reached out hydroseed has been applied to this area. 10/4/2024 - Hydroseed has been applied to this area the item will be closed. The contractor should provide the tag from the seed mix that was used to the Conservation Commission to ensure that the required native seed mix was used per the design plans. 10/8/2024 - Observation remains. See update from 10/4/2024. 10/2/2024 - Observation remains. See update from 10/4/2024. 10/2/2024 - Observation remains. See update from 10/4/2024. 11/5/2024 - Observation remains. S
					11/12/2024 - Observation remains. 11/19/2024 - Germination has been observed in this location but it has not fully stabilized. 11/25/2024 - Observation remains. See previous update. 11/25/2024 - Observation remains. See update from 11/19/2024. 12/2/2024 - Observation remains. See update for 11/19/2024. 12/6/2024 - Observation remains. See update for 11/19/2024. 12/12/2024 - Observation remains. See update for 11/19/2024. 12/12/2024 - Observation remains. Some germination has been observed within this location. Observation will remain open until stabilization is complete.

V.2. On Going (Longer-Term) Compliance Items

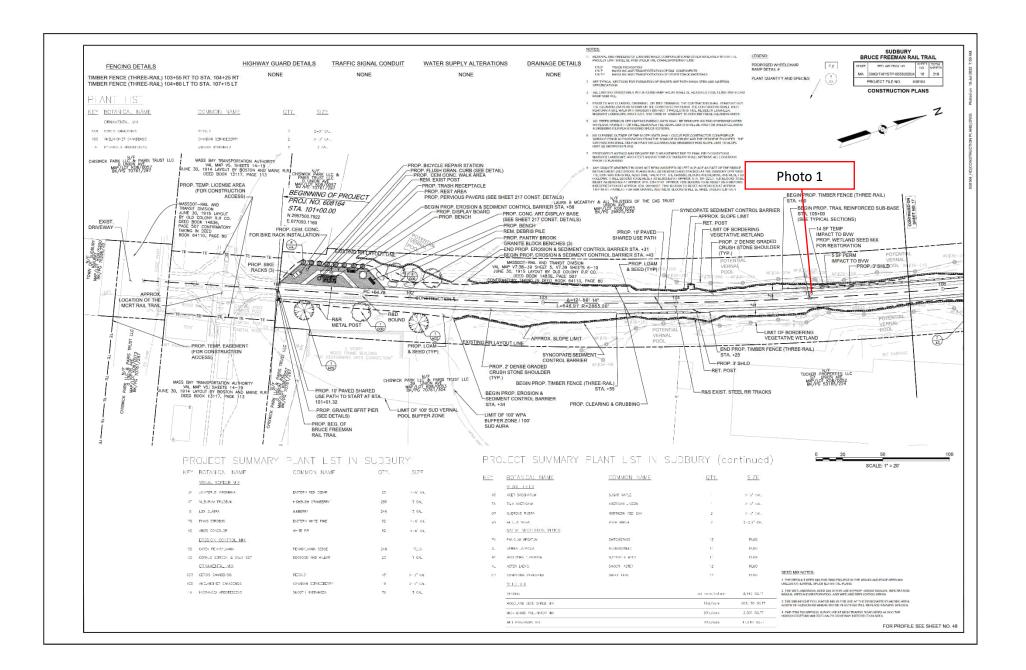
Typically, these items require coordination with MassDEP. If so, remove once approval is obtained from MassDEP

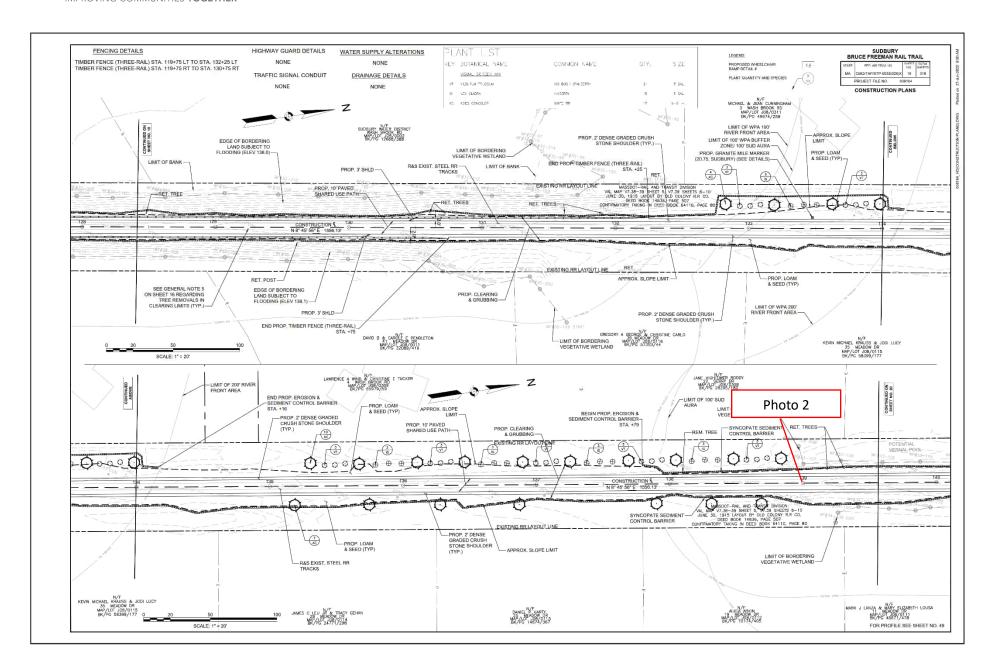
Item	Location/ Description	Observation Date	Resolution Due Date	Recommended/Discussed Resolution	Comments/Updates
61	Invasive vegetation including Japanese knotweed (Reynoutria japonica), bittersweet (Celastrus orbiculatus), bush honeysuckle (Lonicera spp.), burning bush (Euonymus alatus), purple loosestrife (Lythrum salicaria), glossy buckthorn (Frangula alnus) and garlic mustard (Alliaria petiolata) have been observed throughout the path. Priority: High	10/22/2024	10/29/2024		10/29/2024 - Invasive species are present throughout the trail both within upland and Resource Areas. Populations of glossy buckthorn and purple loosestrife are present within the wetland replication area. 11/5/2024 - Observation remains. See update from 10/29/2024. 11/12/2024 - Observation remains. Invasive species are still present throughout the trail. Some invasives have been observed with no leaves due to winter die back. 11/19/2024 - Observation remains. Further invasive species management will be required during the next growing season. 11/25/2024 - Observation remains. 11/25/2024 - Observation remains. 12/26/2024 - Observation remains. This action item has been moved to the Long-Term Compliance Items section because it can only be resolved during the next growing season. 12/12/2024 - Observation remains. 12/20/2024 - Observation remains. 12/20/2024 - Observation remains. 12/26/2024 - Observation remains. 12/26/2024 - Observation remains. 12/26/2024 - Observation remains. 12/2025 - Observation remains. 1/2/2025 - Observation remains.
57-1	Japanese hops (<i>Humulus japonicus</i>) has been observed throughout the Project and requires removal Priority: High	10/22/2024	10/29/2024	The Contractor should manage remaining Japanese hops by hand	10/22/2024 - This Action Item has been reopened due to observations of both dead and living Japanese hops in select locations along the Project. BETA and MassDOT will coordinate further with the Sudbury Conservation Agent to clarify the extents of remaining living vegetation as removal efforts progress. 10/29/2024 - Plants that were observed as alive along Route 117 during the last inspection were observed to be wilting due to winter die back. 11/5/2024 - Observation remains. See update from 10/29/2024. 11/12/2024 - Observation remains. See update from 10/29/2024. 11/19/2024 - Observation remains. See update from 10/29/2024. Management of Japanese hops should occur during the next growing season. 11/22/2024 - Observation remains. 11/25/2024 - Observation remains. 12/6/2024 - Observation remains. This action item has been moved to the Long-Term Compliance Items section because it can only be resolved during the next growing season. 12/12/2024 - Observation remains. 12/20/2024 - Observation remains. 12/20/2024 - Observation remains. 12/20/2024 - Observation remains. 12/26/2024 - Observation remains. 12/26/2024 - Observation remains. 12/26/2024 - Observation remains. 12/26/2024 - Observation remains. 12/2025 - Observation remains. 1/31/2025 - Observation remains.

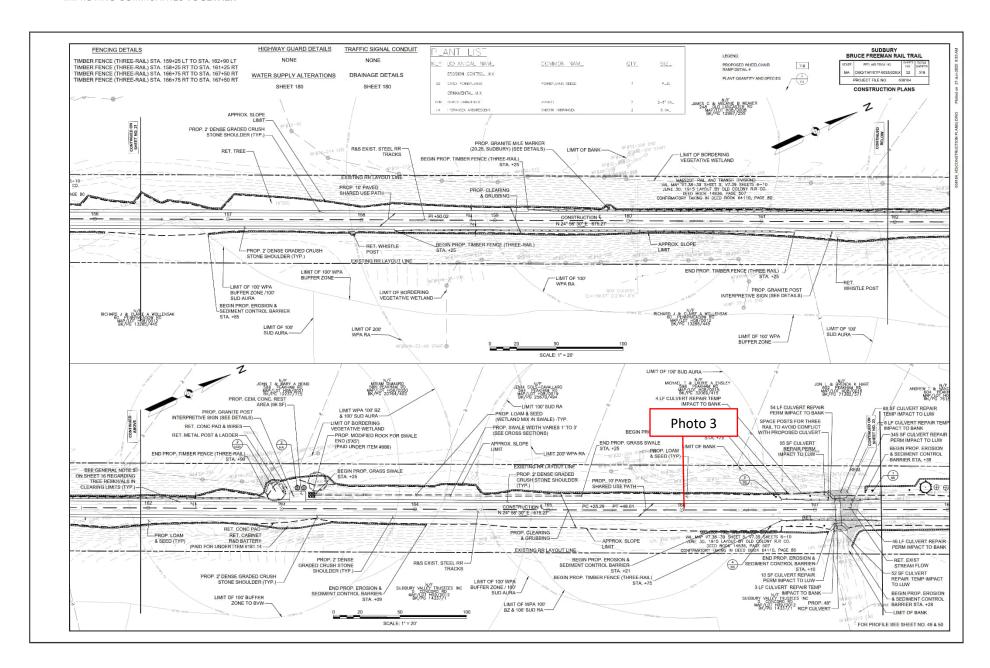
Multiple locations of exposed soils along the Project corridor require stabilization Priority: High	3/2024	9/10/2024	The contactor should apply the approved seed mixture to areas of exposed soils and place straw.	9/3/2024 - Herbicide application caused multiple areas along the path to be no longer stabilized. If thatch is present in these locations the thatch should be removed before seeding occurs. A location near Station 320+50 has been cleared outside of the limit of work and requires stabilization. Other areas along the path where seed did not germinate should be reseeded with the approved seed mix and straw should be placed on the areas of exposed soil. 9/10/2024 - Observation remains, see previous update. A few locations along the trail have been hydroseeded but a majority of the locations of exposed soil require seed and stabilization. 9/16/2024 - Observation remains. The contactor indicated areas of bare soil will be hydroseeded. 9/33/2024 - Observation remains. The contractor indicated areas of bare soil will be hydroseeded. 9/32/2024 - Observation remains. The contractor reached out and indicated all areas of exposed soils south of Hudson Road were hydroseeded after the inspection occurred. 10/4/2024 - All areas south of Hudson Road were hydroseed after the inspection occurred. 10/4/2024 - Mareas south of Hudson Road ware not seeded using hydroseed; hydroseed was applied in a few locations, but there are still large areas of exposed soil both south and north of Hudson Road that require seeding. Thatch was not removed in any areas before hydroseed was applied. The contractor should provide the tag from the seed mix that was used to the Conservation Commission to ensure that the required native seed mix was used per the design plans. Once vegetation has sufficiently stabilized, this item will be closed. 10/8/2024 - Observation remains. See update from 10/4/2024. No additional hydroseed has been applied since the last inspection. No germination has been observed in areas where hydroseed was applied. 10/15/2024 - Observation remains. See update from 10/4/2024. No additional hydroseed has been applied since the last inspection. Some germination has been observed in a reas where hydroseed was applied. 10/15/2024 - O
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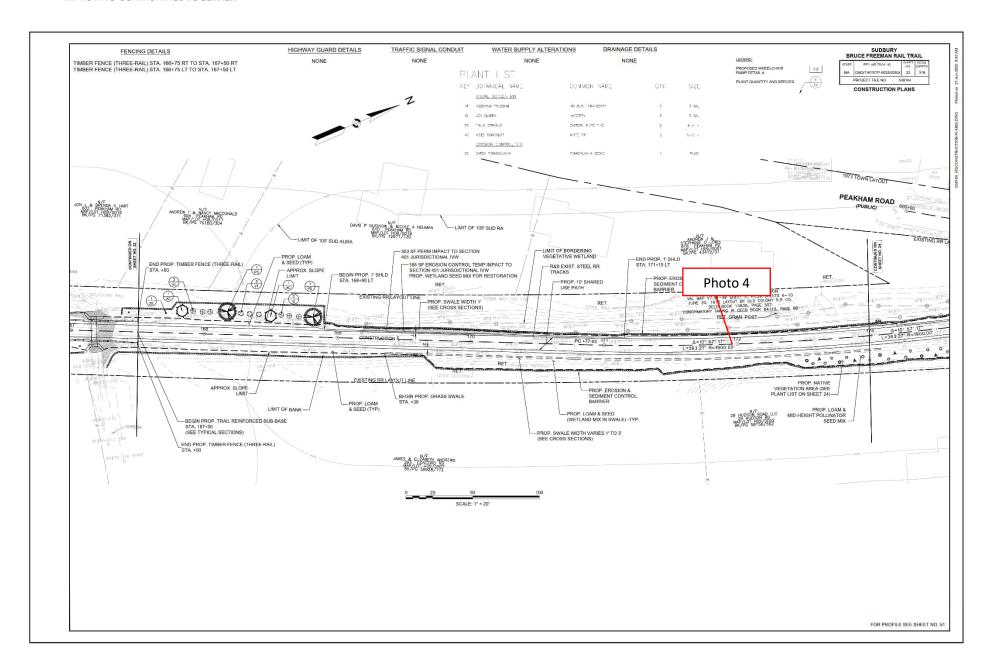
42	Riprap slope extends beyond limits of work along the WF1 Series wetland near flags 103 to 107 Priority: High	5/28/2024	6/4/2024	The Contractor should confirm if this work was permitted by the Conservation Commission, as it does not appear to be a part of the approved plans/impacts. MassDOT should be consulted on next steps regarding notification and potential restoration.	5/31/2024 - Observation remains. 6/7/2024 - Buring this inspection, additional work in support of the repair/potential replacement of an underlying pipe has was ongoing. It is recommended that the contractor confirm that they have coordinated with the Conservation Commission for this work and provide a restoration plan for the area once work is complete. 6/24/2024 - During this inspection, BETA was informed that the existing cast iron pipe was replaced with a new concrete 12-inch reinforced concrete pipe. It appears that riprap was replaced along the side slopes to mirror conditions observed prior to this inspection. 6/27/2024 - During this inspection, the area was observed to have been rolled and prepared for paving. Hydroseed was applied and plantings were installed. 7/8/2024 - Germination was observed and the area will be monitored for stabilization. See previous updates regarding Conservation Commission coordination. 7/15/2024 - This area could not be assessed due to paving operations ongoing during the inspection. 7/22/2024 - Observation remains. 8/5/2024 - Observation remains. 8/5/2024 - Observation remains. 8/7/2024 - Observation remains. 8/7/2024 - Observation remains. 8/2/2024 - Observation remains. 9/3/2024 - Observation remains. See update from 11/19/2024. 11/19/2024 - Observation remains. See update from 11/19/2024. 11/19/2024 - Observation remains. See update from 11/19/
					12/20/2024 - Observation remains. See update from 11/19/2024. 12/26/2024 - Observation remains. See update from 11/19/2024. 12/31/2024 - Observation remains. See update from 11/19/2024. 1/2/2025 - Observation remains. Leaf litter that was previously observed at the bottom of the slope has blown away

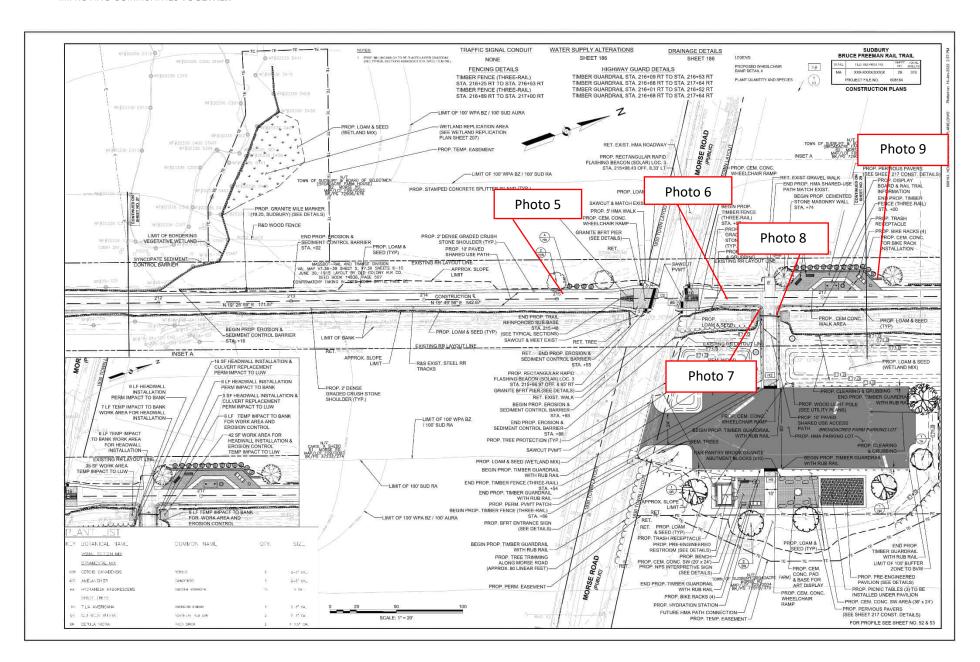
Priority: High		VI. Agency Submittals	217+00 due to overtopped and undermined compost filter tubes. 7/29/2024 - Observation remains. 8/5/2024 - Observation remains. 8/7/2024 - Observation remains. 8/16/2024 - Observation remains. 8/16/2024 - Observation remains. 8/16/2024 - Stone has been removed; however, additional alteration to Resource Areas beyond the limit of work continue. 8/16/2024 - Observation remains. 9/2/2024 - Observation remains. 9/3/2024 - Observation remains. 9/3/2024 - Observation remains. 9/10/2024 - Observation remains. 9/10/2024 - Observation remains. 9/2/3/2024 - Observation remains. 9/2/3/2024 - Observation remains. 9/2/3/2024 - Observation remains. 10/4/2024 - Observation remains. 10/4/2024 - Observation remains. 10/8/2024 - Observation remains. 10/8/2024 - Observation remains. 10/8/2024 - Observation remains. 10/15/2024 - Observation remains. 10/15/2024 - Observation remains. 10/15/2024 - Observation remains. Stone is still present within the streambed at this location. 10/29/2024 - Observation remains. Stone is still present within the streambed at this location. 10/29/2024 - Observation remains. Stone is still present within the streambed at this location. 11/5/2024 - Observation remains. Stone is still present within the streambed at this location. 11/5/2024 - Observation remains. The PVC pipe that was installed at this location was observed to stone and is no longer visible near Station 1215-00. Stone is still present within the streambed at this location in 1/12/2024 - Observation remains. The treambed in this location is covered with leaf lifter. See previous update 1/19/2024 - Observation remains. Stone is still present within the streambed at this location on the streambed at this location in some of the streambed at this location in seed of the streambed at this location in the control of the co
Submittal	Date Submitted	Description	Status
		VII. Attachments (#	3 only attached with monthly report)
1. Field Sketch		VII. Attachments (#	3 only attached with monthly report)

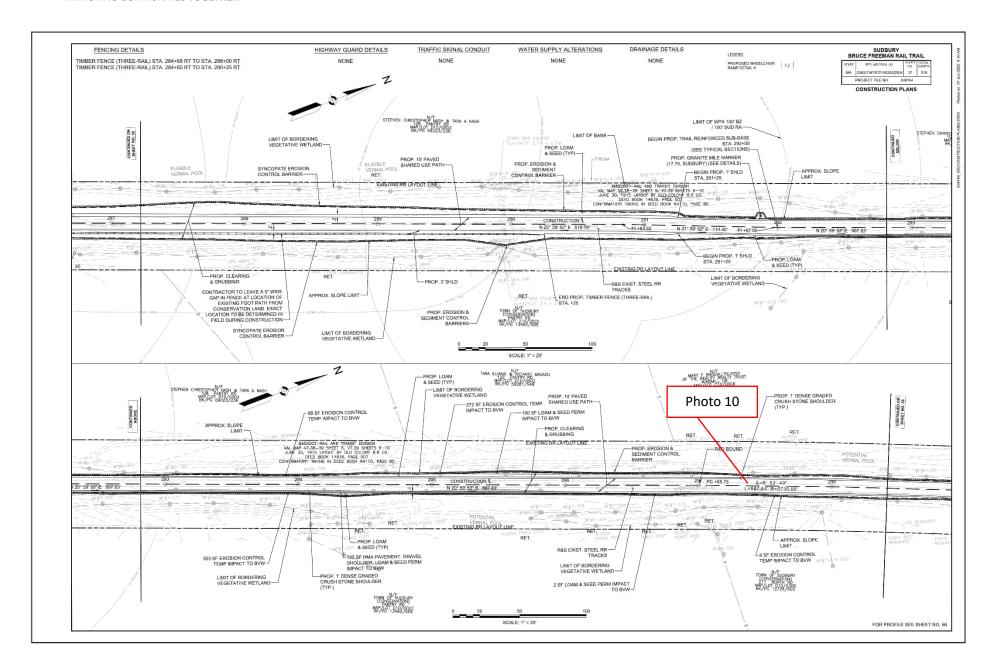


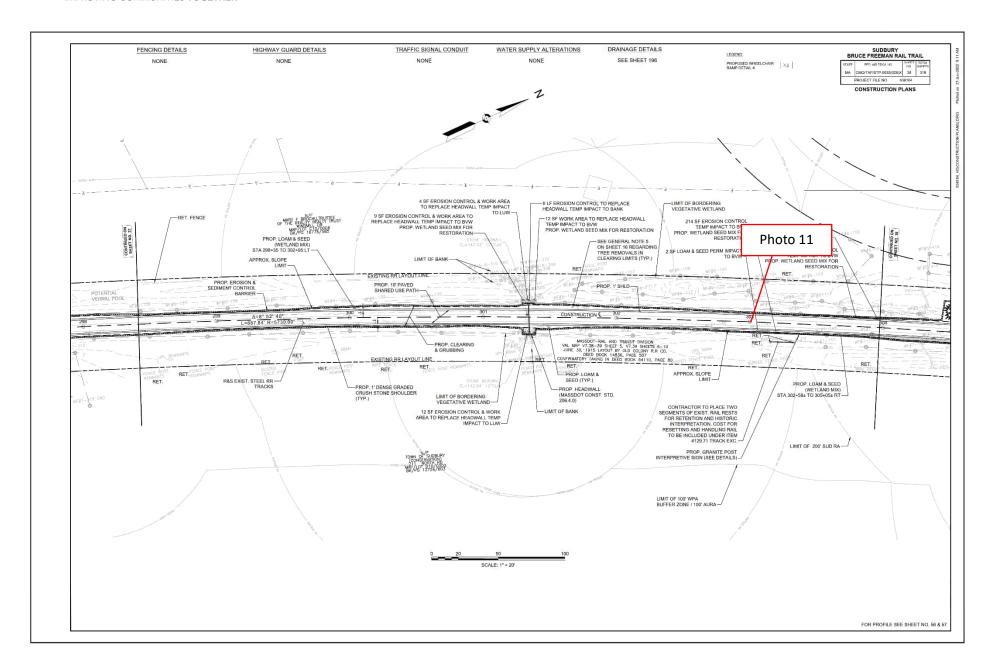


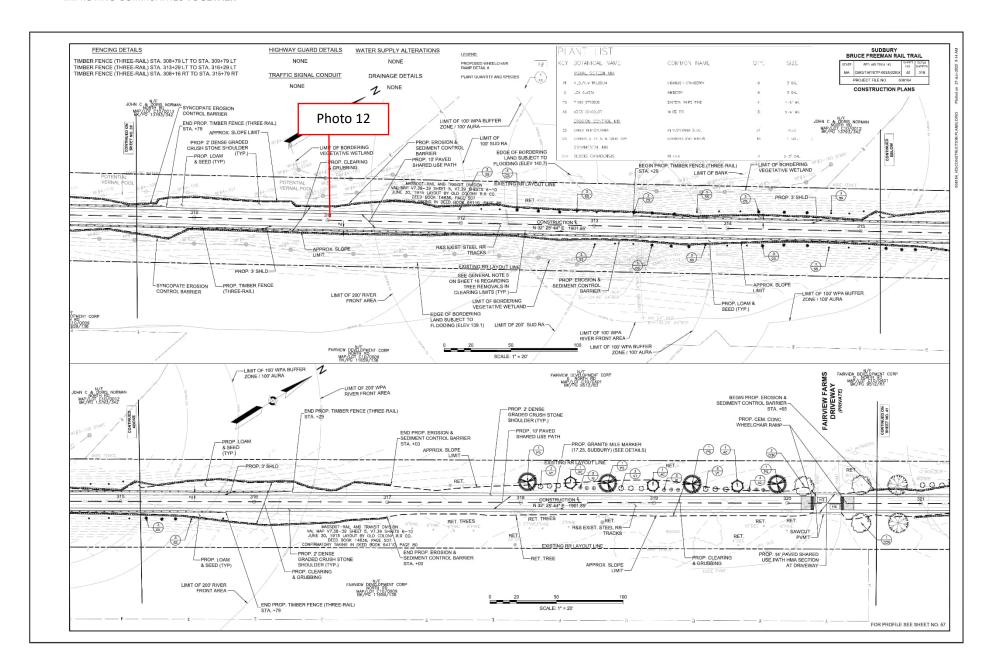


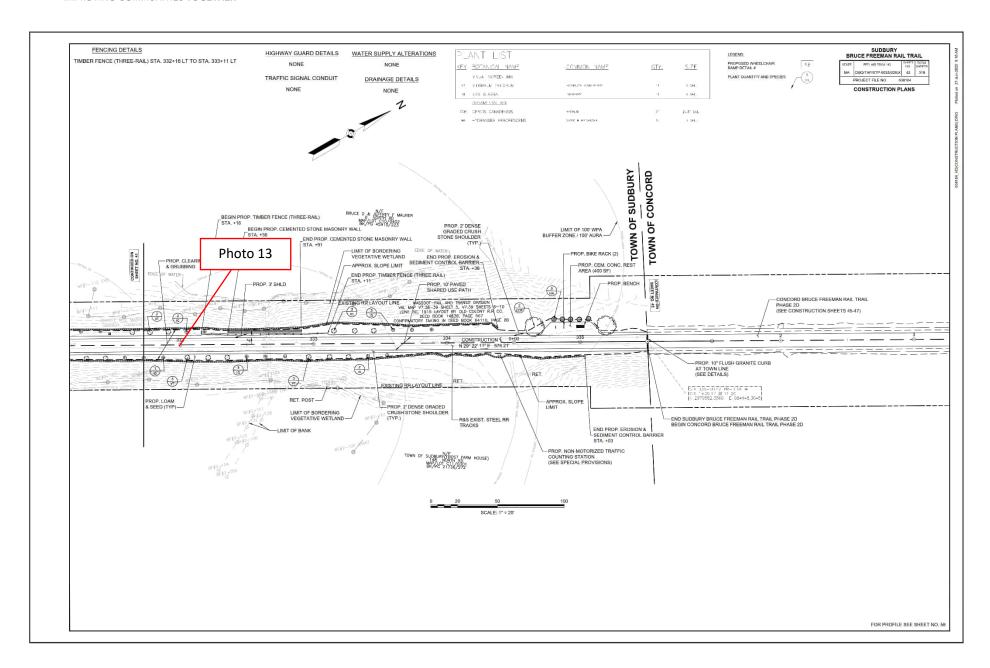














Site Location Bruce Freeman Rail Trail Right-of-Way

BETA Project No. 24.10326.23

Photo No. 1 Date: 1/15/2025

Direction Photo Taken:

Toward the North

Description:

View of the overtopped compost filter tube and exposed soils beyond the limits of work at Station 105+00 per Compliance Action Item 43.



Photo No. 2

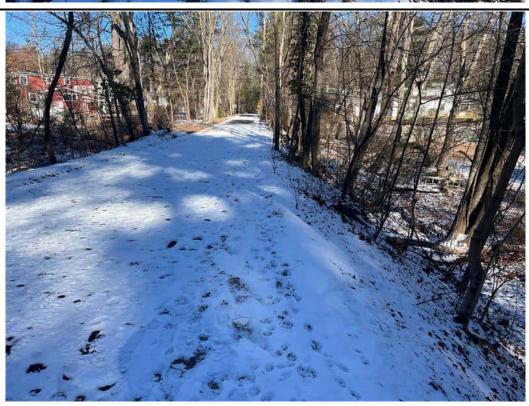
Date: 1/15/2025

Direction Photo Taken:

Toward the North

Description:

View of exposed soil at Station 139+00 that requires stabilization per Long Term Compliance Action Item. Note exposed soil is covered with snow.





Site Location

Bruce Freeman Rail Trail Right-of-Way

BETA Project No. 24.10326.23

Photo No. 3

Date:

1/15/2025

Direction Photo Taken:

Toward the South

Description:

View of exposed soil at Station 165+00 that requires stabilization per Long Term Compliance Action item 59. Note exposed soil is covered with snow.



Photo Date: No. 4

1/15/2025

Direction Photo Taken:

Toward the South

Description:

View of crushed stone within the swale at Station 172+00 per **Compliance Action** item 53. Note stone is covered with leaf litter.





Site Location

Bruce Freeman Rail Trail Right-of-Way

BETA Project No. 24.10326.23

Photo Date: No. 5 1/15/

1/15/2025

Direction Photo Taken:

Toward the South

Description:

View of loam that requires stabilization at Station 215+00 per Compliance Action Item 62. Note straw has been placed on the streambank in this location.

Photo Date: 1/15/2025

Direction Photo Taken:

Toward the East

Description: View of the le

View of the location where loam and straw that were placed on the streambank have eroded into the streambed at Station 216+50, resulting in a discharge per Compliance Action Item 62.







Site Location

Bruce Freeman Rail Trail Right-of-Way

BETA Project No. 24.10326.23

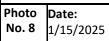
Photo No. 7 **Date:** 1/15/2025

Direction Photo Taken:

Toward the West

Description:

View of the location where the stream bank has been regraded beyond the limits of work and stabilization of loam is required at Station 216+00 per Long Term Compliance Action Item 41 and 62. Note straw has been placed on the streambank in this location.



Direction Photo Taken:

Toward the West

Description:

View of loam that requires stabilization at Station 217+00 per Compliance Action Item 62.







Site Location

Bruce Freeman Rail Trail Right-of-Way

BETA Project No. 24.10326.23

Photo No. 9

Date:

1/15/2025

Direction Photo Taken:

Toward the North

Description:

View of the slope where hydroseed was applied and some germination has occurred at Station 217+45 per **Compliance Action** Item 34.



Photo

Date: **No. 10** 1/15/2025

Direction Photo Taken:

Toward the North

Description:

View of an area of exposed soil at Station 297+50 per Long Term **Compliance Action** Item 59.





Site Location

Bruce Freeman Rail Trail Right-of-Way

BETA Project No. 24.10326.23

Photo No. 11 Date: 1/15/2025

Direction Photo Taken:

Toward the East

Description:

View of crushed stone that requires removal from the swale at Station 303+00 per Long Term Compliance Action Item 58. Note stone is currently covered in snow.



Photo

Date: **No. 12** 1/15/2025

Direction Photo Taken:

Toward the West

Description:

View of placed loam that requires stabilization at Station 311+00 per Long Term **Compliance Action** Item 59.





Site Location Bruce Freeman Rail Trail Right-of-Way

BETA Project No. 24.10326.23

Photo No. 13

Date: 1/15/2025

Direction Photo Taken:

Toward the South

Description:

View of the riprap slope that extends beyond the limit of work along the WF1 Series wetland at Station 332+00 per Long Term Compliance Action Item 42.

