

Environmental Monitor Construction Site Inspection Report
MassDOT Project #608164 Construction Contract # 119678
EM Report #26

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:	10/4/2024
Bi Weekly/ Monthly Period Covered:	October Weekly Inspection #1
Inspector's Name(s):	Anna Haznar
Inspectors' Contact Information:	ahaznar@beta-inc.com

II. Weather Information

	Inspection #1	Inspection #2	Inspection #3	Inspection #4	Inspection #5	Inspection #6
WeatherUnderground	Inspector: Anna Haznar 10/4/2024	Inspector:	Inspector:	Inspector:	Inspector:	Inspector:
Type of Inspection (i.e. non-storm event, pre-storm event, during-storm event or post-storm event):	Non-storm					
Number of days since last rain event greater than .25"						
Has there been a storm event since the last inspection?	No					
If yes, please provide storm start date, storm duration, and approx amount of						
Storm 1:						
Storm 2:						
Storm 3:						
Storm 4:						
Weather at the time of inspection (i.e. clear, overcast, cloudy, rain, sleet, fog, snow, Temperature:	Clear 63					
Unusual Conditions (drought, severe storm):						
Have any discharges occurred since the last inspection report?	No					
If yes, please describe:						

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

10/4/2024 - At the time of the Site visit, no work was occurring.

IV. Status of Existing BMPs

Control Measure (These are examples; list measures specific to the project)	Cleaning or Repair Needed (yes no n/a)	Comments/Recommendations from the EM
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. While areas upgradient of degraded controls are temporarily stabilized at some locations, several discharges of sediment beyond the limits of work were observed including at Stations 172+00 to 173+00, with the cattle crossing at Station 190+50, within the streambed at Station 215+00 to 216+00 and multiple other locations along the path. It is recommended that the contractor repair erosion and sedimentation control measures where breaches are occurring and where stabilization has not been achieved. Areas where stabilization has commenced should be monitored for germination, as replacement of erosion controls may not be required if stabilization is achieved. 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.
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 and Collection	No	
Location of Sanitary Waste Facilities	No	
Washout Areas	No	
Fertilizers, Herbicides, and Landscape	N/A	
Stabilization of Exposed Soil	Yes	Varying degrees of stabilization are present within areas that were constructed/graded as part of the Project. Stabilization efforts are required at Station 105+00 to 106+00, Stations 172+00 to 175+00, Station 217+45, and Station 265+50 to 273+00. Stabilization has commenced via application of hydroseed at the majority of these locations and should be monitored for successful establishment. Multiple areas throughout the path have been observed as no longer stabilized due to herbicide application, seed should be spread in these locations to stabilize the areas.
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.

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 [October 31, 2024].

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

"Urgent" - Needs to be completed immediately, "High" - Needs to be completed in < 7 days due to site conditions, proximity to resource areas, anticipated weather, etc., "Medium" - Needs to be completed within 7 days and has short-term potential to impact resource areas, "Low" - 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
60	Multiple piles of wood shavings were observed along the trail shoulders. In some locations, wood shavings are located directly adjacent to Resource Areas. Priority: High	10/4/2024	10/18/2024	Remove wood shavings from the shoulders.	
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. 8/7/2024 - 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. 9/10/2024 - 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. 9/27/2024 - 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.

43	<p>Overtopped compost filter tubes and exposed soils beyond the limits of work at Station 105+00 Priority: High</p>	6/7/2024	6/14/2024	<p>Stabilize the area with the approved seed mixture and provide interim stabilization such as straw mulch.</p>	<p>6/14/2024 - Observation remains. 6/17/2024 - Observation remains. 6/24/2024 - Observation remains. 6/27/2024 - Observation remains. 7/8/2024 - Observation remains. 7/15/2024 - Observation remains. 7/22/2024 - Observation remains. 7/29/2024 - Observation remains. 8/5/2024 - Observation remains. 8/7/2024 - Observation remains. 8/12/2024 - Observation remains. Some material has migrated off of the compost filter tubes due to erosion. 8/16/2024 - Observation remains. 8/20/2024 - Application of the approved seed mixture is required at this location. 8/27/2024 - Observation remains. 9/3/2024 - Observation remains. 9/10/2024 - Observation remains. Application of the approved seed mixture is required at this location. 9/16/2024 - Observation remains. 9/23/2024 - Observation remains. 9/27/2024 - Observation remains. 10/4/2024 - Hydroseed has been applied here; however, the contractor should provide an update on long-term slope stabilization plans.</p>
44	<p>Slopes require stabilization / additional seed due to lack of compost filter tubes at 105+00 and 106+00 Priority: High</p>	6/7/2024	6/14/2024	<p>Stabilize the slope with the approved seed mixture and provide interim stabilization such as straw mulch.</p>	<p>6/14/2024 - Observation remains. 6/17/2024 - Observation remains. 6/24/2024 - Observation remains. 6/27/2024 - Observation remains. 7/8/2024 - Observation remains. 7/15/2024 - Observation remains. 7/22/2024 - Observation remains. 7/29/2024 - Regrowth of vegetation has been observed in this area. This item will remain open until the area is fully stabilized. 8/5/2024 - Observation remains. 8/7/2024 - Regrowth of vegetation has been observed but the area is not yet fully stabilized. 8/12/2024 - Observation remains. 8/16/2024 - Observation remains. 8/20/2024 - Application of the approved seed mixture is required at this location. 8/27/2024 - Vegetation has partially stabilized this area; however, seed should be applied. 9/3/2024 - Observation remains. 9/10/2024 - Observation remains. Application of the approved seed mixture is require at this location. 9/16/2024 - Observation remains. 9/23/2024 - Observation remains. Application of the approved seed mixture is require at this location. 9/27/2024 - Observation remains. The contractor reached out and indicated this area was hydroseeded after the inspection occurred. 10/4/2024 - Hydroseed has been applied here and the item will remain open until the area is fully stabilized.</p>

47	Slope stabilization required due to condition of compost filter tubes at Station 265+50 and 273+00 Priority: High	6/7/2024	6/14/2024	Stabilize the slope with the approved seed mixture and provide interim stabilization such as straw mulch.	<p>6/14/2024 - Observation remains. 6/17/2024 - 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. 7/29/2024 - Observation remains. 8/5/2024 - Observation remains. 8/7/2024 - Regrowth of vegetation has been observed in this area. This item will remain open until the area is fully stabilized. 8/12/2024 - Observation remains. 8/16/2024 - Observation remains. 8/20/2024 - Application of the approved seed mixture is required at this location. 8/27/2024 - Observation remains. 9/3/2024 - Observation remains. 9/10/2024 - Observation remains. Application of the approved seed mixture if required at this location. 9/16/2024 - Observation remains. 9/23/2024 - Observation remains. 9/27/2024 - Observation remains. The contractor indicated hydroseed will be applied here soon. 10/4/2024 - Observation remains. Hydroseed has not been applied to this area.</p>
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.	<p>5/31/2024 - Observation remains. 6/7/2024 - Observation remains. 6/14/2024 - Observation remains. 6/17/2024 - Observation remains. 6/24/2024 - Observation remains. 6/27/2024 - Rills were raked, loam was added, and hydroseed was applied. 7/8/2024 - Observation remains. Grass was observed to be germinating at this location. Comment will remain open until stabilization is complete. 7/8/2024 - See previous update. 7/15/2024 - Additional hydroseed is required due to washouts. 7/22/2024 - Observation remains. 7/29/2024 - Observation remains. 8/5/2024 - Observation remains. 8/7/2024 - Regrowth of vegetation has been observed in this area. This item will remain open until the area is fully stabilized. 8/12/2024 - Observation remains. Regrowth has stabilized a portion of this hill; however, reseeding and additional temporary stabilized measures are recommended on the section that is currently unvegetated. 8/16/2024 - Observation remains. 8/20/2024 - Application 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 (<i>Persicaria maculosa</i>), a non-native species. Removal of non-native species and application of the approved seed mixture is required at this location. 9/10/2024 - Observation remains. See previous update. 9/16/2024 - Observation remains. See update from 9/3/2024. 9/23/2024 - Observation remains. See update from 9/3/2024. 9/27/2024 - Observation remains. 10/4/2024 - Observation remains. See update from 9/3/2024.</p>

32	<p>Soil and organic debris has been placed within the wetland between wetland flagging WF#23-119 and WF#23-118 at Station 224+00 Priority: High</p>	5/21/2024	5/28/2024	<p>Remove all material and provide stabilization of the area with the approved wetland seed mixture. Straw should also be placed for interim stabilization.</p>	<p>5/28/2024 - Observation remains. 5/31/2024 - Observation remains. 6/7/2024 - Observation remains. 6/14/2024 - Observation remains. 6/17/2024 - This area has been hydroseeded multiple times, but the debris should also be removed from the downgradient wetland. 6/24/2024 - Observation remains. 6/27/2024 - Observation remains. The area was hydroseeded again. 7/8/2024 - Germination was observed and the area will be monitored for stabilization. 7/15/2024 - See previous update. 7/22/2024 - Observation remains. 7/29/2024 - Observation remains. 8/5/2024 - Observation remains. 8/7/2024 - Regrowth of vegetation has been observed in this area. This item will remain open until the area is fully stabilized. Debris is still present in wetland and requires removal. 8/12/2024 - Observation remains. 8/16/2024 - Observation remains. 8/20/2024 - 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. 9/16/2024 - Debris has been removed from the wetland; however, soils require stabilization. 9/23/2024 - Observation remains. Soils require stabilization at this location. 9/27/2024 - Observation remains. The contractor indicated hydroseed will be applied to this area soon. 10/4/2024 - Observation remains. Hydroseed has not been applied to this area.</p>
6	<p>Exposed sediment slope at Station 172+00 to 175+00 Priority: High</p>	5/8/2024	5/15/2024	<p>Install temporary sediment controls along the slope such as jute netting and/or straw following the application of seed.</p>	<p>5/16/2024 - Observation remains. 5/21/2024 - Observation remains. 5/28/2024 - Partial germination was observed. 5/31/2024 - See previous update. 6/7/2024 - Further earthwork has occurred and soils require stabilization. 6/14/2024 - Observation remains. 6/17/2024 - 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 - Jute netting has been installed over the applied seed, and the area will be monitored for germination. 7/15/2024 - See previous update. 7/22/2024 - Observation remains. 7/29/2024 - Observation remains. 8/5/2024 - Observation remains. 8/7/2024 - Regrowth of vegetation was observed in this location. This item will remain open until stabilization has been completed. 8/12/2024 - Observation remains. 8/16/2024 - Observation remains. 8/20/2024 - Application 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, a non-native species. Removal of non-native species and application of the approved seed mixture is required at this location. 9/16/2024 - See previous update. 9/23/2024 - Observation remains. See 9/3/2024 update. 9/27/2024 - Observation remains. The contractor reached out hydroseed has been applied to this area. 10/4/2024 - Hydroseed has been applied to this area; the hydroseed was observed to have been applied over the erosion control blanket that is located in this area. Once vegetation has sufficiently stabilized 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.</p>

52	Slopes along the driveway to the parking lot at Station 216+50 requires stabilization Priority: Medium	7/29/2024	Resolved: 10/4/2024 8/6/2024	Install erosion control blanket and place seed.	8/5/2024 - Observation remains. 8/7/2024 - Observation remains. 8/12/2024 - Observation remains. 8/16/2024 - Observation remains 8/20/2024 - Observation remains. Erosion controls have been installed between the slope and the downgradient stream, but seed is still required. 8/27/2024 - Observation remains. 9/3/2024 - Observation remains. 9/10/2024 - Slopes have been hydroseeded. Item will remain open till stabilization occurs. 9/16/2024 - Observation remains. Some germination has been observed at this location. 9/23/2024 - Some germination has been observed at this location. Item will remain open till full stabilization occurs. 9/27/2024 - Observation remains. See previous update. 10/4/2024 - The slopes have become sufficiently stabilized with vegetation.
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
59	Multiple locations of exposed soils along the Project corridor require stabilization Priority: High	9/3/2024	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. 9/23/2024 - Observation remains. It does not appear as though any hydroseeding has been done since the last inspection. Areas throughout the trail require removal of thatch and application of seed for stabilization. 9/27/2024 - 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 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 the item will be closed.

58	<p>Crushed stone used for the dense graded crush stone shoulders has been observed as migrating both onto the path, off the sides of the path, and into the adjacent Resource Areas throughout the Project Priority: High</p>	8/7/2024	8/14/2024	<p>Remove all crushed stone from Resource Areas and develop a plan to cease discharges of stone.</p>	<p>8/12/2024 - Crushed stone is still present in varying amounts throughout the path and on the sides of the path. 8/16/2024 - Observation remains. 8/20/2024 - Crushed stone has been removed from some adjacent resource areas but is still observed as migrating onto and off of the path in multiple locations throughout the Project. 8/27/2024 - Crushed stone has been observed as migrating from the shoulders throughout the path. 9/3/2024 - Crushed stone was observed as migrating both onto the path and off the side of the path in multiple locations. Stone was observed to have discharged to the cattle crossing at Station 190+50 and within the streambed at Station 215+00 to 216+00. Crushed stone was observed to have been placed on the root system of a fallen tree at Station 310+00 near Bank flag #BF4-108. 9/10/2024 - Observation remains. Crushed stone is still present within the cattle crossing, the streambed, and on the root system of the fallen tree. Crushed stone continues to migrate on to and off of the path. 9/16/2024 - Observation remains. The contractor indicated the locations where crushed stone has migrated off the path will be hand removed and crushed stone will be swept off the path prior to the opening of the trail. 9/23/2024 - Observation remains. It does not appear as though crushed stone that has migrated onto or off of the path has been removed in any location along the Project. More crushed stone has migrated onto the path throughout significant portions of the path. 9/27/2024 - Observation remains. Crushed stone is still located on the side of the path and on the path in varying amounts. 10/4/2024 - Crushed stone has been removed from multiple locations along the trail but was still observed on and on the sides of the trail in several locations.</p>
42	<p>Riprap slope extends beyond limits of work along the WF1 Series wetland near flags 103 to 107 Priority: High</p>	5/28/2024	6/4/2024	<p>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.</p>	<p>5/31/2024 - Observation remains. 6/7/2024 - Observation remains. 6/14/2024 - Riprap slope has been altered and active construction is repairing the area. 6/17/2024 - During this inspection, additional work in support of the repair/potential replacement of an underlying pipe has been 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 - See previous updates regarding Conservation Commission coordination. 7/29/2024 - Observation remains. 8/5/2024 - Observation remains. 8/7/2024 - Observation remains. 8/12/2024 - Observation remains. Regrowth of vegetation has been observed in this area and will continue to be monitored. 8/16/2024 - Observation remains. 8/20/2024 - Observation remains. 8/27/2024 - Observation remains. 9/3/2024 - Observation remains. 9/10/2024 - Observation remains. 9/16/2024 - Observation remains. 9/23/2024 - Observation remains. 9/27/2024 - Observation remains. 10/4/2024 - Observation remains.</p>

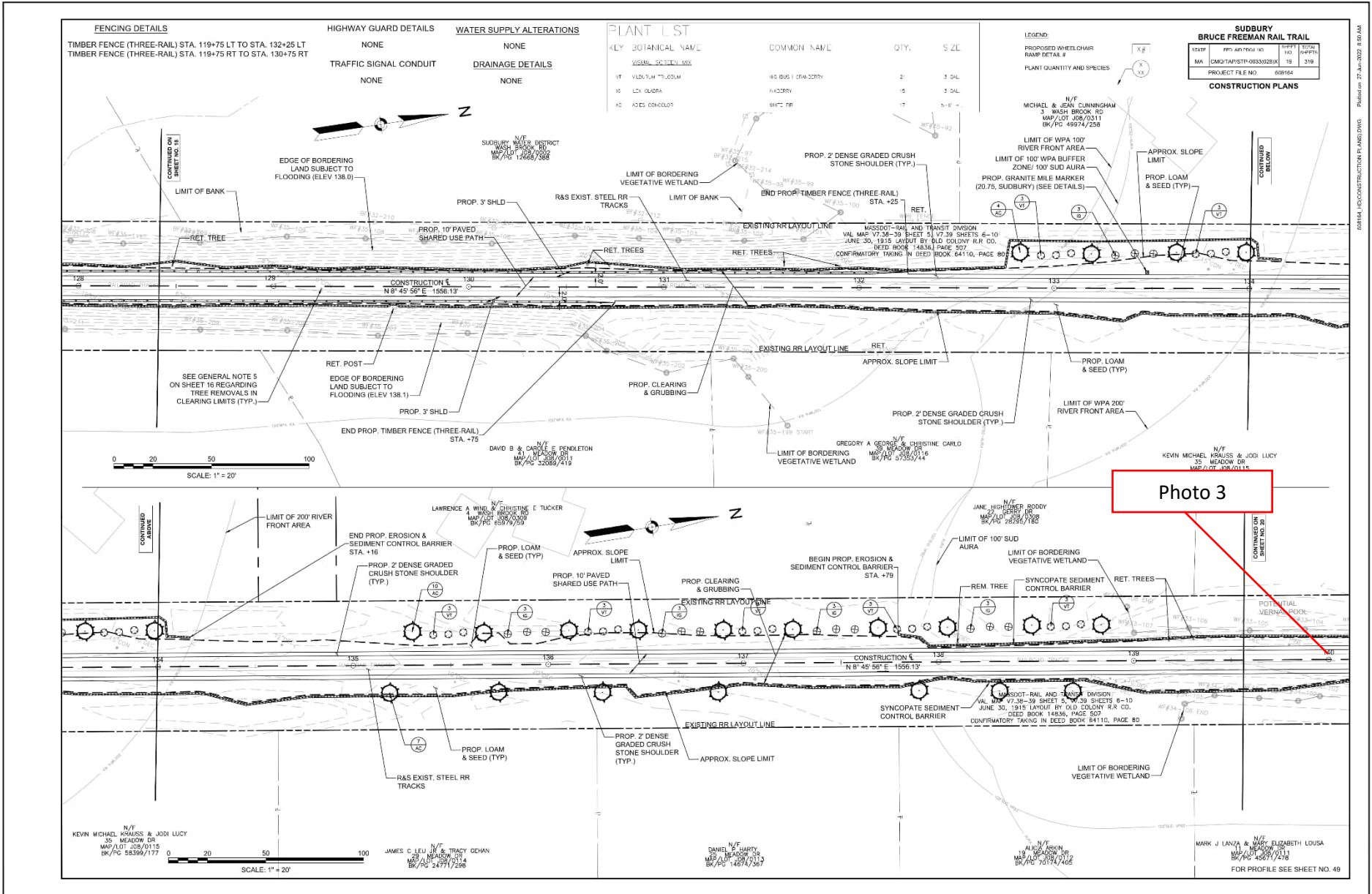
41	Stream Bank has been regraded beyond the limit of work at Station 216+00 Priority: High	5/28/2024	6/4/2024	The Contractor should confirm if this work was permitted by the Conservation Commission, as it does not appear to be a part of the approved plans/impacts. MassDOT should be consulted on next steps regarding notification and potential restoration.	<p>5/31/2024 - Observation remains. 6/7/2024 - Observation remains. 6/14/2024 - Observation remains. 6/17/2024 - 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 - Crushed stone and sediment continue to be discharged to the stream between Stations 215+00 and 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. 8/12/2024 - Observation remains. Crushed stone is still present in the streambed at this location. 8/16/2024 - Observation remains. 8/20/2024 - Stone has been removed; however, additional alteration to Resource Areas beyond the limit of work continue. 8/27/2024 - Observation remains. 9/3/2024 - Observation remains. 9/10/2024 - Observation remains. Stone has been observed as discharging into the streambed in this location again. 9/16/2024 - Observation remains. 9/23/2024 - Observation remains. Stone is still present within the streambed at this location. 9/27/2024 - Observation remains. 10/4/2024 - Observation remains.</p>
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VI. Agency Submittals (Note: only filled out for monthly report)

Submittal	Date Submitted	Description	Status

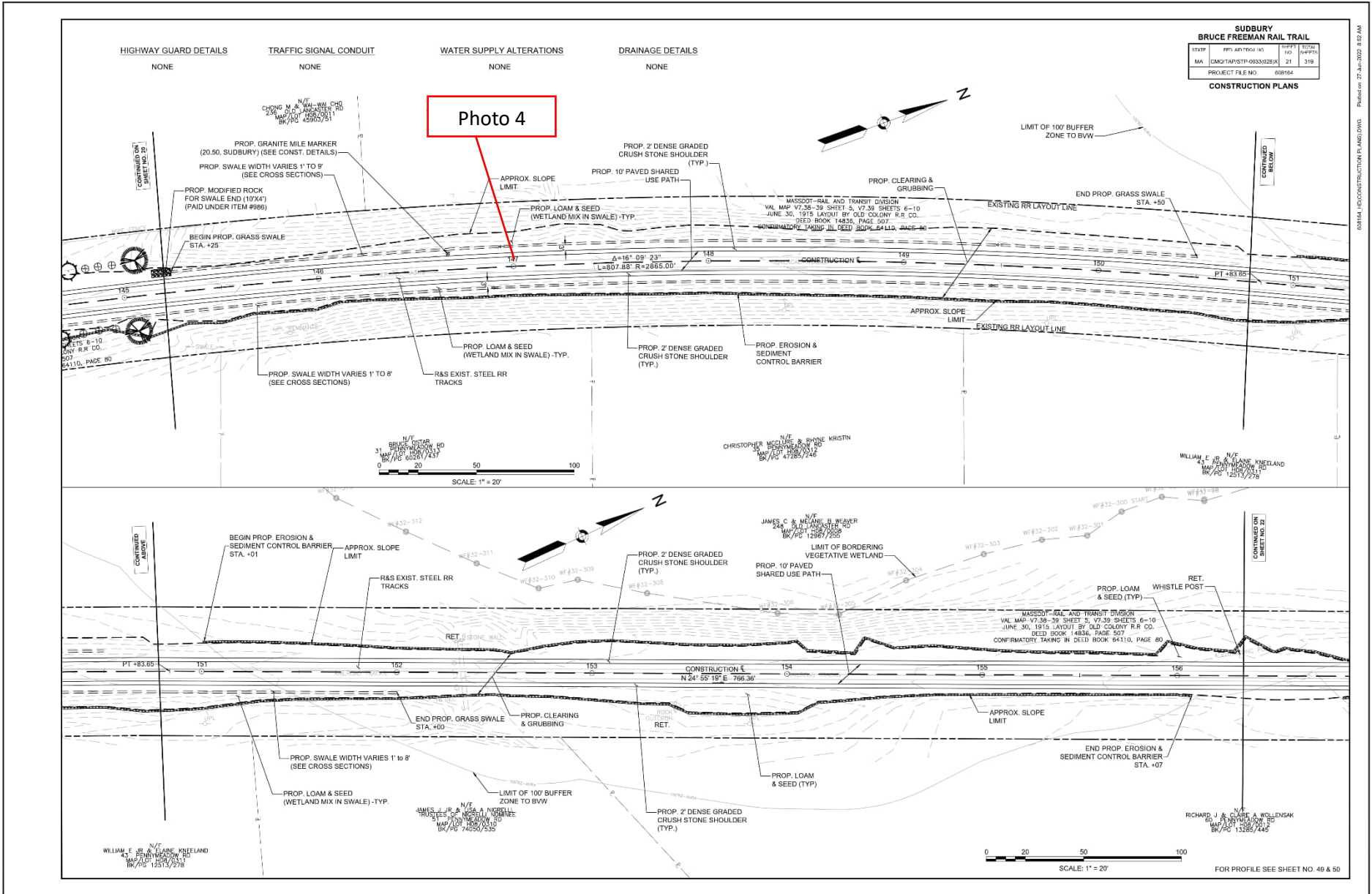
VII. Attachments (#3 only attached with monthly report)

1. Field Sketch
2. Photographic Documentation
3. 3 Week Look ahead schedule

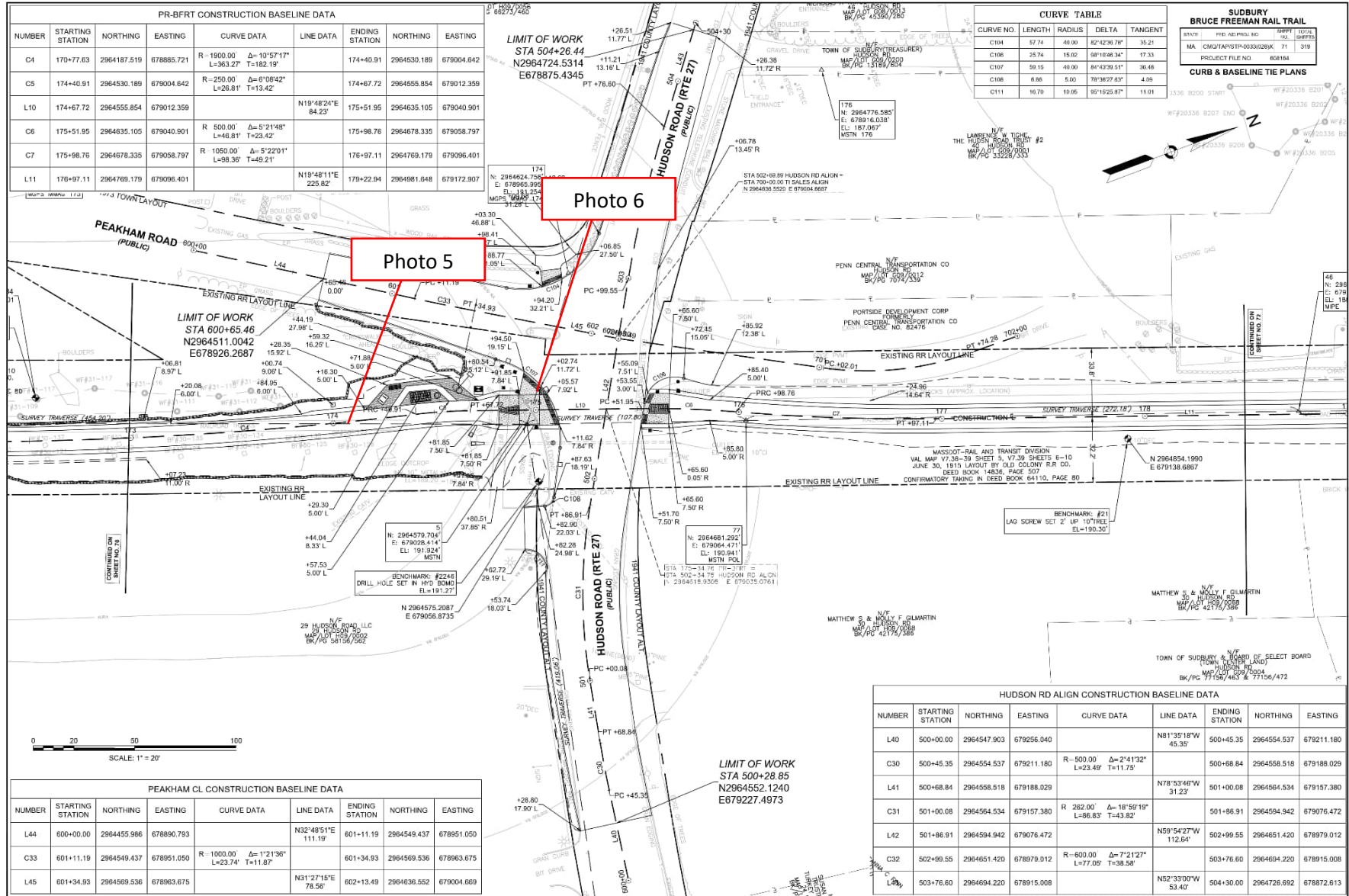


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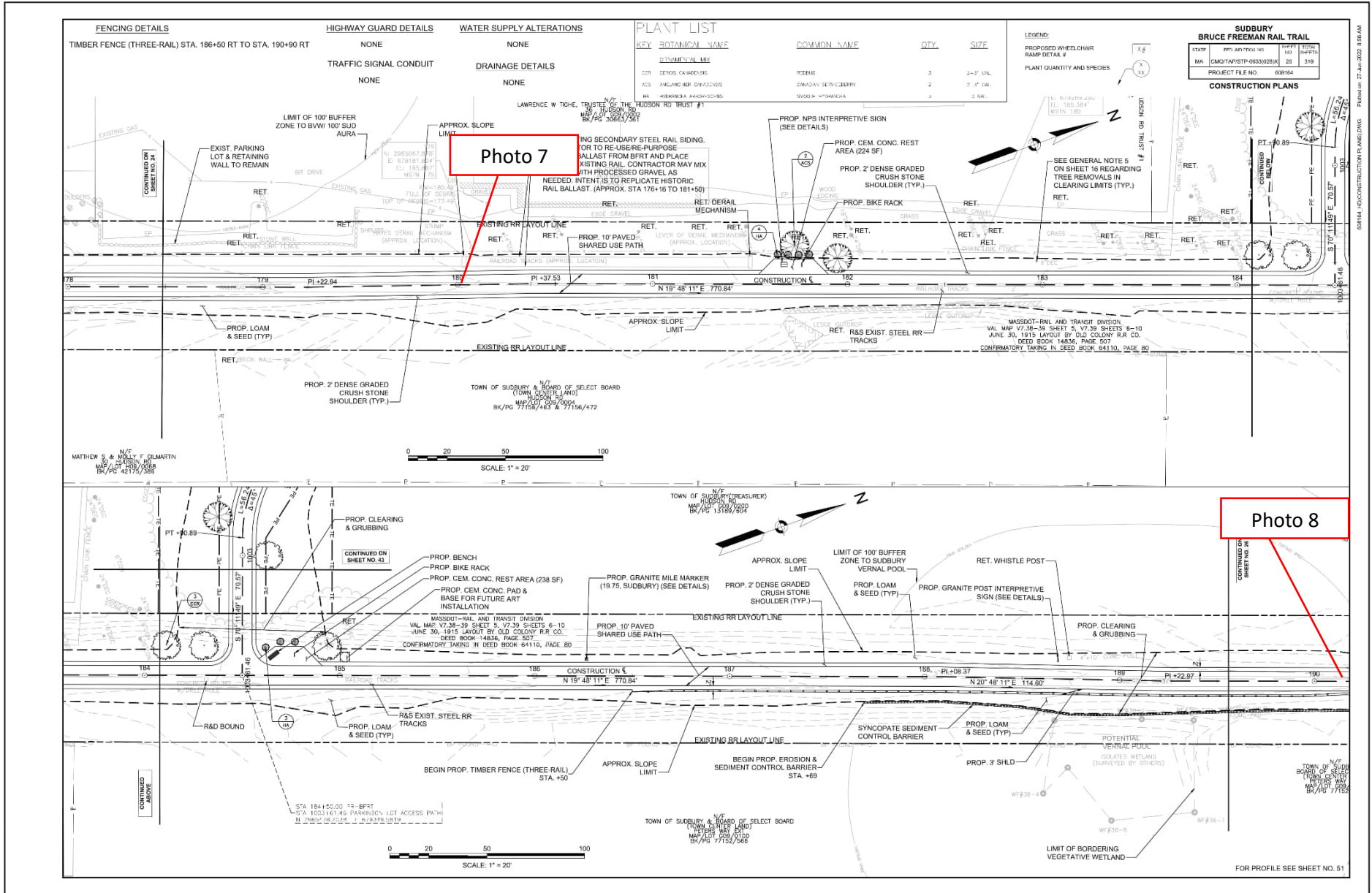
FOR PROFILE SEE SHEET NO. 49

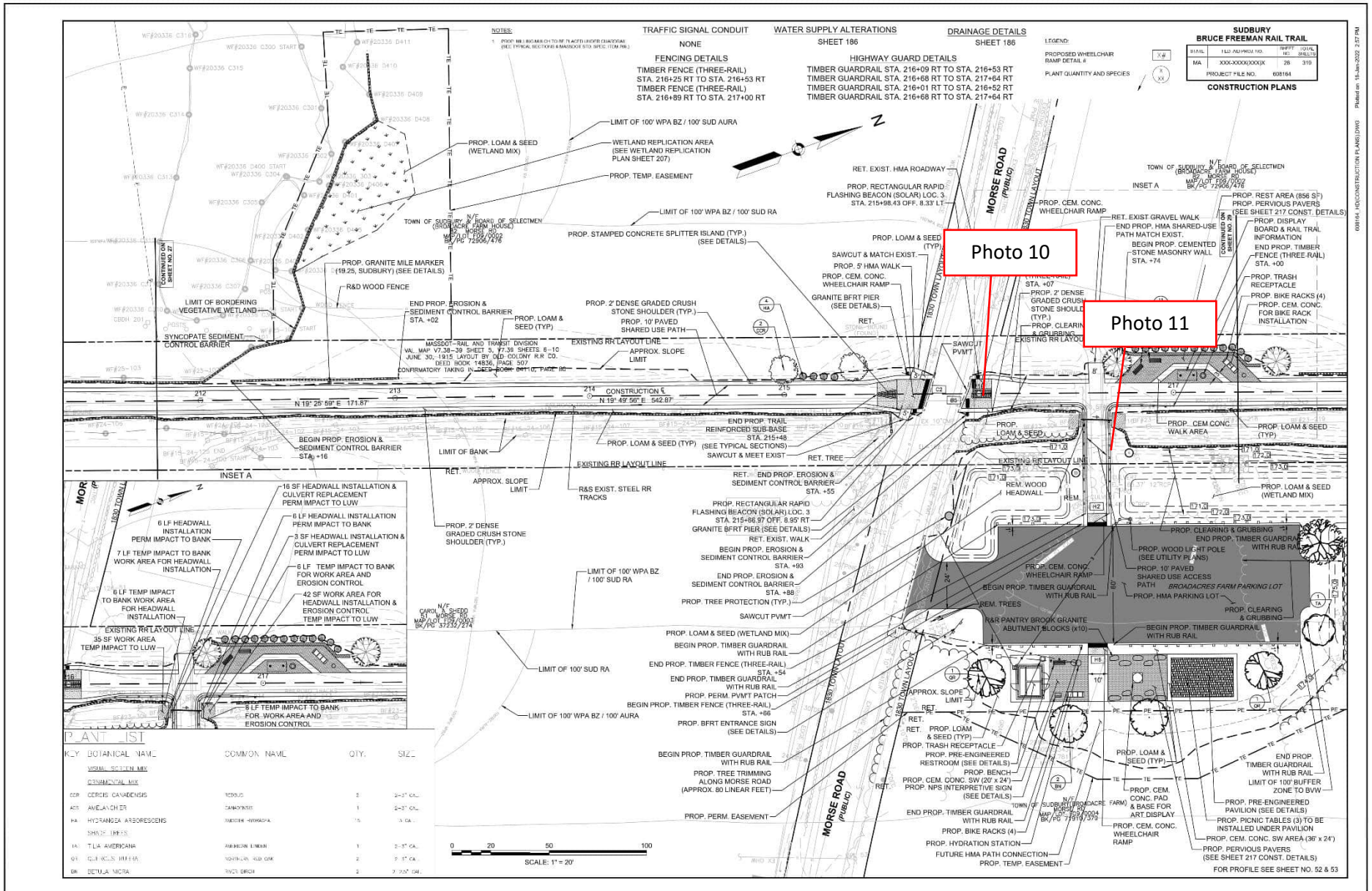


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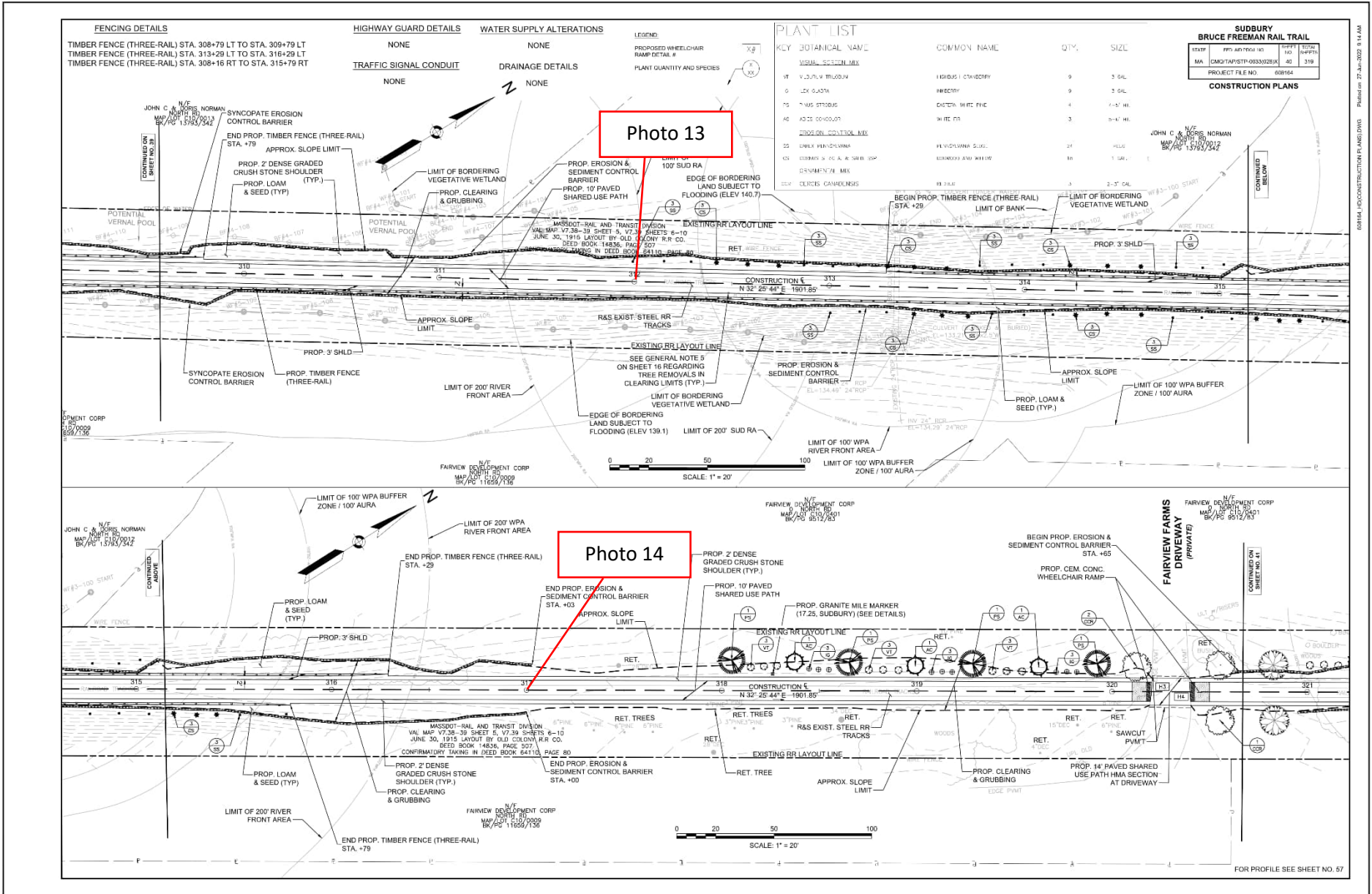


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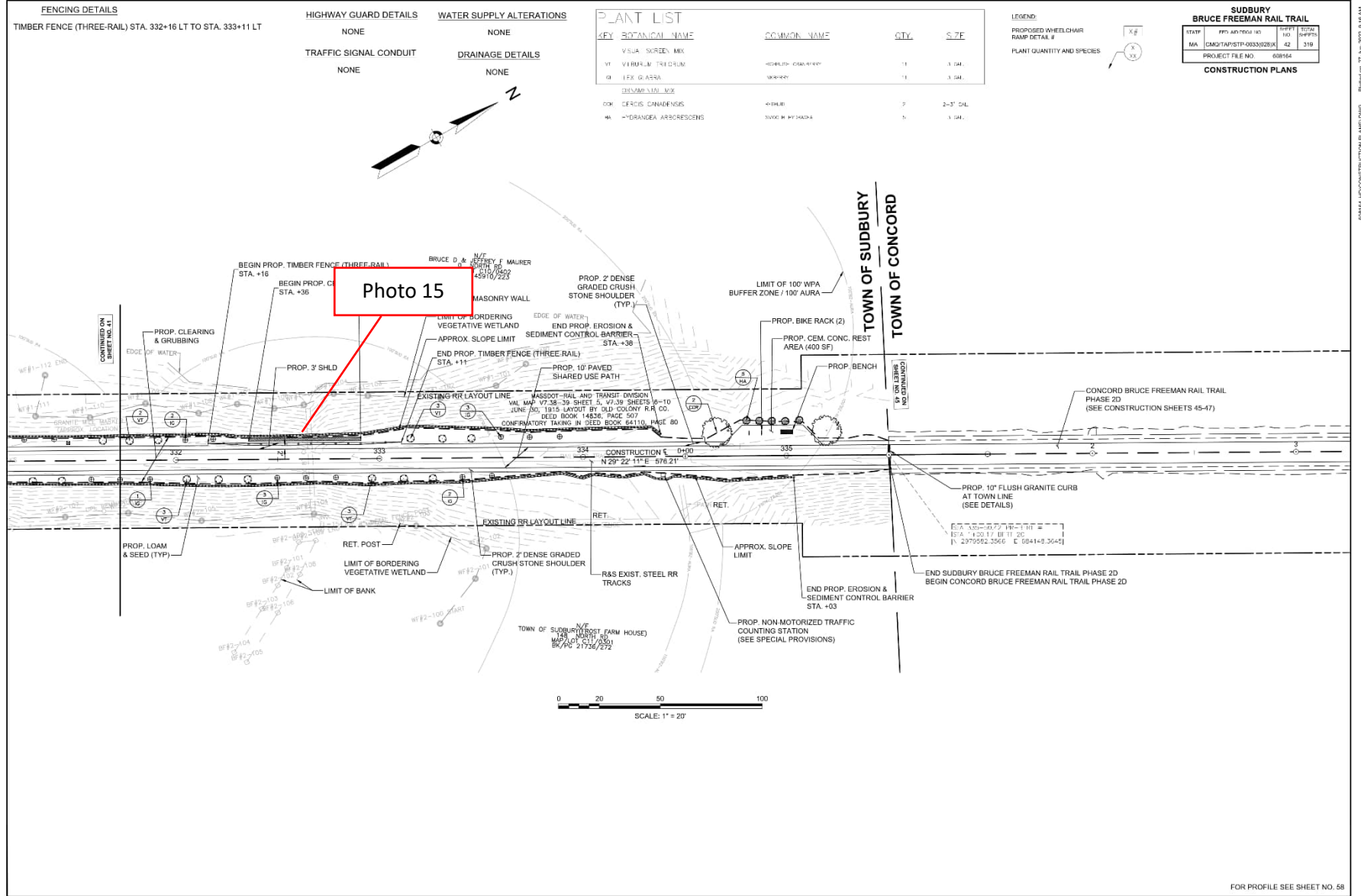




008164 - RECONSTRUCTION PLANS.DWG | Revision: 15-Jan-2022 - 2:37 PM



B03814.DWG CONSTRUCTION PLANS.DWG | Printed on: 27-Jun-2025 9:14 AM



FENCING DETAILS
TIMBER FENCE (THREE-RAIL) STA. 332+16 LT TO STA. 333+11 LT

HIGHWAY GUARD DETAILS
NONE

WATER SUPPLY ALTERATIONS
NONE

TRAFFIC SIGNAL CONDUIT
NONE

DRAINAGE DETAILS
NONE

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE
V1	VISUA SCREEN MIX			
V2	VERBENA TRI-DUM	MEDICINAL HERB	1	3 GAL.
G1	GEX G. ALBA	GRASS	1	3 GAL.
ENVIRONMENTAL MIX				
OP	OPUS CANADENSIS	OPUS	2	2-3" DIA.
HA	HYDRANEA ARBORESCENS	SWAMP BIRCH	5	3 GAL.

LEGEND:
PROPOSED WHEELCHAIR RAMP DETAIL #
PLANT QUANTITY AND SPECIES

SUDBURY BRUCE FREEMAN RAIL TRAIL



STATE	FPS	APR	FEED	NO.	DIFF	ST/24
MA	CMG2/TAP/STP-0033/0228X		100		42	319

PROJECT FILE NO. 608164
CONSTRUCTION PLANS

Photo 15

608164_CONSTRUCTION PLANS.DWG | Printed on 27-Jun-2025 9:16 AM

FOR PROFILE SEE SHEET NO. 58

Site Location Bruce Freeman Rail Trail Right-of-Way		BETA Project No. 24.10326.23
Photo No. 1	Date: 10/4/2024	
Direction Photo Taken: Toward the Southeast		
Description: View of the overtopped compost filter tube beyond the limits of work and the recently applied hydroseed at Station 105+00 per Compliance Action Item 43 and 44.		
Photo No. 2	Date: 10/4/2024	
Direction Photo Taken: Toward the North		
Description: View of recently applied hydroseed along the slope at Station 106+00 per Compliance Action Item 44.		

Site Location Bruce Freeman Rail Trail Right-of-Way	BETA Project No. 24.10326.23
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Photo No. 3	Date: 10/4/2024	
Direction Photo Taken: Toward the North		
Description: View of an area that is no longer stabilized due to herbicide application at Station 140+00 per Long Term Compliance Action Item 59.		

Photo No. 4	Date: 10/4/2024	
Direction Photo Taken: Toward the North		
Description: Typical view of an area where hydroseed was applied over thatch at Station 147+00 per Compliance Action Item 59. This condition was observed in multiple locations along the trail.		

Site Location Bruce Freeman Rail Trail Right-of-Way	BETA Project No. 24.10326.23
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Photo No. 5	Date: 10/4/2024	
Direction Photo Taken: Toward the East		
Description: View of hydroseed applied along slopes at Station 172+00 to 175+00 per Compliance Action Item 6.		

Photo No. 6	Date: 10/4/2024	
Direction Photo Taken: Toward the East		
Description: View of germination at the Hudson Road intersection.		

Site Location Bruce Freeman Rail Trail Right-of-Way	BETA Project No. 24.10326.23
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Photo No. 7 **Date:**
10/4/2024

Direction Photo Taken:

Toward the East

Description:

View of the area at Station 180+00 where crushed stone was removed and seeding is required per Long Term Compliance Action Item 58 and 59.



Photo No. 8 **Date:**
10/4/2024

Direction Photo Taken:

Toward the East

Description:

View of the crushed stone that has discharged into the cattle crossing at Station 190+50 per Long Term Compliance Action Item 58.



Site Location Bruce Freeman Rail Trail Right-of-Way		BETA Project No. 24.10326.23
Photo No. 9	Date: 10/4/2024	
Direction Photo Taken: Toward the West		
Description: View of crushed stone that has migrated off of the shoulders at Station 1002+00 per Long Term Compliance Action Item 58.		
Photo No. 10	Date: 10/4/2024	
Direction Photo Taken: Toward the Northeast		
Description: View of crushed stone within the streambed and the location where the stream bank has been regarded beyond the limits of work at Station 216+00 per Long Term Compliance Action Items 41 and 58.		

Site Location Bruce Freeman Rail Trail Right-of-Way	BETA Project No. 24.10326.23
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Photo No. 11 **Date:** 10/4/2024

Direction Photo Taken:

Toward the West

Description:

View of the slopes that have become stabilized along the driveway to the parking lot at Station 216+50 per Compliance Action Item 52.



Photo No. 12 **Date:** 10/4/2024

Direction Photo Taken:

Toward the Southeast

Description:

View of another area that is no longer stabilized due to herbicide application at Station 223+00 per Long Term Compliance Action Item 59. occurred.



Site Location Bruce Freeman Rail Trail Right-of-Way	BETA Project No. 24.10326.23
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Photo No. 13 **Date:** 10/4/2024

Direction Photo Taken:

Toward the North

Description:

View of a location where crushed stone has migrated on to the path at Station 312+00 per Long Term Compliance Action Item 58.



Photo No. 14 **Date:** 10/4/2024

Direction Photo Taken:

Toward the South

Description:

Typical view of a pile of wood shavings that requires removal at Station 317+00 per Compliance Action Item 60. This condition was observed in multiple locations along the trail.



<p>Site Location Bruce Freeman Rail Trail Right-of-Way</p>		<p>BETA Project No. 24.10326.23</p>
<p>Photo No. 15</p>	<p>Date: 10/4/2024</p>	
<p>Direction Photo Taken: Toward the North</p>		
<p>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.</p>		