



Construction Report

Date June 7, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	M	T	W	Th	F	S
Bright	Sunny	Over-	Rain	Snow		
Sun	cast					
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 21			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
8-10a, 3:30-4:30p	Jon Janke	Coon Creek Watershed District	
8-10a, 3:30-4:30p	Tyler Thompson	Coon Creek Watershed District	
3:30-4:30p	Erik Megow	Stantec Consulting Services	
3:30-4:30p	Ed Matthiesen	Stantec Consulting Services	

Equipment at the Site

Unusual Items

Resident requested information on plans to address invasive species such as buckthorn and garlic mustard into the future.

Construction Activities

Contractor reviewed site, punch list, and considerations to install grass pave system. Contractor did not have sufficient materials or time to complete work and will return when materials and schedules allow.

Reinstalled battery in control panel and confirmed valve operation. Reviewed valve elevations with contractor and discussed options to reset or modify the structure to adjust valve elevations. Adjusted riprap downstream of outlet structure so drain tile could draw down completely when filter is offline.

Reviewed site with engineer. Discussed outlet structure valve invert elevations, obstruction prevention, and upgrading the control panel to allow for remote access.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date May 16, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	M	T	W	Th	F	S
Bright	Sunny	Over-		Rain		Snow
Sun		cast				
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 20			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
8-8:30a	Tyler Thompson	Coon Creek Watershed District	

Equipment at the Site

Unusual Items

Construction Activities
 No construction activities time of visit.
 Routine site inspection.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date May 10, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	M	T	W	Th	F	S
Bright	Sunny	Over-	Rain	Snow		
Sun	cast					
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 19			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
2:15-2:30p	Jason Hilst	Coon Creek Watershed District	

Equipment at the Site

Unusual Items

Construction Activities

No construction activities time of visit.

Water level fully drawn down following record snowmelt. Several minor restoration items noted for contractor to address when construction resumes.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date April 24, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	<u>M</u>	T	W	Th	F	S
Bright	Sunny	Over-		Rain		Snow
Sun		cast				
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 18			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
8-10:30a	Jon Janke	Coon Creek Watershed District	
8-10:30a	Tyler Thompson	Coon Creek Watershed District	
8-10:30a	Eileen Weigel	Stantec Consulting Services	

Equipment at the Site

Unusual Items

Removed some debris from the outlet structure intake and from the creek downstream of the outlet structure that was limiting drainage.

Construction Activities

No construction activities time of visit. Overall site in good condition provided record snowmelt event.

Engineer reviewed site and discussed remaining construction punch list and post snowmelt restoration items.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date April 20, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	M	T	W	Th	F	S
Bright	Sunny	Over-	Rain	Snow		
Sun	cast					
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 17			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
3:30-3:45p	Tyler Thompson	Coon Creek Watershed District	

Equipment at the Site

Unusual Items

Construction Activities

No construction activities time of visit.

Record snowmelt resulted in significant inundation over filter. High water did not overtop outlet berm but did inundate a portion of the south filter slope.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date April 10, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	M	T	W	Th	F	S
Bright	Sunny		Over-cast	Rain		Snow
Sun						
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 16			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
2:15-2:30p	Tyler Thompson	Coon Creek Watershed District	

Equipment at the Site

Unusual Items

Construction Activities

No construction activities time of visit.

Some debris accumulating around outlet structure and several biologs have been displaced from their original positioning (mostly due to them not being secured with stakes to prevent puncturing of the filter liner). Some sediment over trail remains that was previously frozen and unable to be retrieved by sweeping equipment.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date February 8, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	M	T	W	Th	F	S
Bright	Sunny	Over-	Rain	Snow		
Sun	cast					
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 15			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
8-10a	Jon Janke	Coon Creek Watershed District	
8-10a	Tyler Thompson	Coon Creek Watershed District	

Equipment at the Site

Unusual Items

Construction Activities
 No construction activities time of visit. Site appears stable and in same condition as previous site visit.
 Tested valves, removed battery from control panel to prevent freeze damage, updated message centers and brochures.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date February 7, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather

JOB NO. PAN 22-001, #227705055

ENGINEER Stantec Consulting Services Temp. °F

CONTRACTOR North Pine Aggregate Wind

PROJECT MANAGER Dick Burmaster Humidity

S	M	T	W	Th	F	S
Bright	Sunny	Over-	Rain	Snow		
Sun	cast					
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 14			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
11a-1:30p	Jason Hilst	Coon Creek Watershed District	

Equipment at the Site

Unusual Items

Construction Activities
 No construction activities time of visit. Site appears stable and in same condition as previous site visit.
 Completed as-built survey of filter media, outlet structure, and general grading where snow and site conditions allowed.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date February 1, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	M	T	<u>W</u>	Th	F	S
Bright	Sunny	Over-	Rain	Snow		
Sun	cast					
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 13			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
3-3:15p	Chase Vanderbilt	Coon Creek Watershed District	

Equipment at the Site

Unusual Items

Construction Activities

No construction activities time of visit. Site appears stable and in same condition as previous site visit.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date January 26, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	M	T	W	Th	F	S
Bright	Sunny	Over-	Rain	Snow		
Sun	cast					
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 12			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
10:30-10:45a	Tyler Thompson	Coon Creek Watershed District	
10:30-10:45a	Jason Hilst	Coon Creek Watershed District	

Equipment at the Site

Unusual Items

Construction Activities
 No construction activities time of visit. Site appears stable and in same condition as previous site visit.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date January 19, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services
 CONTRACTOR North Pine Aggregate
 PROJECT MANAGER Dick Burmaster

Day						
S	M	T	W	Th	F	S
Bright	Sunny		Over-cast	Rain	Snow	
Sun						
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 11			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
1:00-1:30p	Jon Janke	Coon Creek Watershed District	

Equipment at the Site

Skidsteer

Unusual Items

Owner installed locks on outlet control structure lid and control panel and removed trail detour signage.

Engineer approved substantial completion and demobilization.

Construction Activities

Since last site visit contractor completed installation and mixing of iron sand and biochar media, installed sample port cap with lock, completed installation of gravel strip along berm, top dressed berm and outlet structure riprap with topsoil, seed and blanket, graded access paths to as gentle of slope as site allowed and completed final grading around the rest of the site, installed biorolls around perimeter of filter media, removed rock entrance, removed construction debris, piled trail closed and truck hauling signage to be removed by sub-contractor, and demobilized equipment. Sub-contractor seeded and blanketed all disturbed areas.

Punch list of outstanding items prior to final completion:

- Remove port-a-potty
- Remove signage
- Install bollard covers
- Install coir blanket over berm vegetated riprap
- Review and restore site access paths as needed
- Install site access grass paving system and turf reinforcement mat
- Plant 15 #15 pot balsam fir trees
- Test outlet structure operation
- Test filter operation
- Provide final payment application with receipts, load tickets, payroll certificates, and IC134 affidavits

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date January 18, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services
 CONTRACTOR North Pine Aggregate
 PROJECT MANAGER Dick Burmaster

Weather
 Temp. °F
 Wind
 Humidity

S	M	T	<u>W</u>	Th	F	S
Bright	Sunny		<u>Over-</u>	Rain	Snow	
Sup			cast			
<32	<u>32-50</u>	50-70	70-85	85-100	>100	
<u>Still</u>	Moder.	High	Report No. 10			
Dry	Moder.	<u>Humid</u>				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
9:00-10:00a	Jon Janke	Coon Creek Watershed District	
9:00-10:00a	Tyler Thompson	Coon Creek Watershed District	
9:00-10:00a	Eileen Weigel	Stantec	

Equipment at the Site

Backhoe (CAT 336 E-33), mini backhoe, skidsteers, dump trucks, and dozer (CAT D-37)

Unusual Items

Weekly progress meeting-Engineer, Owner, and Contractor reviewed work completed to date, outstanding items, and updated construction schedule. Reviewed bid line items for completion and outlet structure functionality. Contractor to submit pay application, receipts, load tickets, and payroll certificates to engineer by 1/30 to be considered for payment through the next billing cycle.

Construction Activities

Contractor completed installing iron-sand media and delivered spread and tilled in biochar.

Iron sand was delivered by dump truck deposited in piles at each site entrance and then spread by skidsteer. Biochar was delivered by flatbed in large, handled tote bags. Contractor installed approximately half the iron-sand (~6") the used forklift attachment on skidsteer to lift biochar totes and pulled string or cut bottom of totes to establish piles of approximately half the biochar atop the iron sand media. Skidsteer then used a tiller attachment to till biochar into iron-sand media. Once sufficiently tilled the contractor repeated the process by installing the remaining iron-sand followed by spreading and tilling the biochar into the iron-sand media.

Contractor plans to complete remaining work items tomorrow, demobilize equipment by the end of the week, and return in the spring to install the trees and outlet structure grass pave and turf reinforcement when weather allows.

Sidewalk closed and truck hauling signage were installed. Temporary culvert and rock check dam to provide erosion control for creek flow. Rock entrance along egret largely contaminated with sediment from yesterday but froze overnight and contractor does not anticipate any more deliveries requiring maintenance to the entrance.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date January 17, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services
 CONTRACTOR North Pine Aggregate
 PROJECT MANAGER Dick Burmaster

Date						
Day						
S	M	T	W	Th	F	S
Bright	Sunny	Over-	Rain	Snow		
Sup		cast				
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 9			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
11:30a-12:00p	Jon Janke	Coon Creek Watershed District	

Equipment at the Site
 Backhoe (CAT 336 E-33), mini backhoe, skidsteers, dump trucks, and dozer (CAT D-37)

Unusual Items
 Some snow overnight.

Construction Activities
 Contractor completed installing coarse filter aggregate, began installing iron-sand media, and installed outlet culvert, structure, and bollards.

Contractor delivered coarse filter aggregate and iron-sand media to each access point and then spread material using skidsteer. Contractor was careful not to minimize dirt (mud from recent rain) from contaminating the aggregate and sand.

Some creek water backflushed the drainpipe system partially filling the bottom of the basin with water. The contractor plugged the end of the drainpipe until all coarse filter aggregate was installed. Did not cause any delays or issues.

Contractor over excavated the outlet berm, backfilled with aggregate to establish a firm base for the culvert and outlet structure at or slightly below the design elevations. Contractor installed outlet culvert and structure. Outlet structure was delivered mostly assembles. Contractor needed to attach solar and control panel to structure and attach associated wiring.

Sidewalk closed and truck hauling signage were installed. Temporary culvert and rock check dam to provide erosion control for creek flow. Contractor installed rock entrance along egret to prevent tracking during above freezing temperatures.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date January 16, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services
 CONTRACTOR North Pine Aggregate
 PROJECT MANAGER Dick Burmaster

Day

S	<u>M</u>	T	W	Th	F	S
Bright	Sunny	Over-	cast	<u>Rain</u>		Snow
Sun						
<32	<u>32-50</u>	50-70	70-85	85-100	>100	
<u>Still</u>	Moder.	High	Report No. 8			
Dry	Moder.	<u>Humid</u>				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
11:30a-12:00p	Jon Janke	Coon Creek Watershed District	

Equipment at the Site

Backhoe (CAT 336 E-33), mini backhoe, dump truck, and dozer (CAT D-37)

Unusual Items

Martin Luther King Day-Engineer, Owner, and City offices closed today.

Construction Activities

Contractor installed liner, drainpipe, tracer wire, and began installing coarse filter aggregate. Outlet structure and culvert were delivered to the site. Contractor plans to install outlet structure tomorrow.

Liner was manufactured as individual 8-10' wide strips that were fuse welded together by the manufacturer in controlled environment to a rectangle that covered the full extent of the basin. The liner was folded along the manufacture fuse weld seems and then rolled into a 8-10' wide roll that stood approximately 4-5' high. Contractor fabricated a device to allow heavy equipment to lift the roll in a manner that allowed the construction crew to unroll and unfold the liner by hand. Contractor spread majority of liner by hand but needed to utilize heavy equipment in some areas due to size and weight of liner. Contractor trimmed liner to fit basin (allowing sufficient material to tuck edges into soil) and disposed of excess material. No tears, rips, patches, or stretching occurred anywhere on the liner. Took 2-2.5 hours to complete.

Contractor installed drain pipe and risers with cleanout grates. Contractor wrapped entire drain system with tracer wire terminating runs at each cleanout for future utility locating. Contractor punctured liner for 10" drain outlet and sealed puncture to best of their ability. No groundwater was observed to be leaking through the outlet puncture but there is potential for some leakage if groundwater level increases in the future (seasonally).

Contractor began installing coarse filter aggregate throughout filter basin.

Sidewalk closed and truck hauling signage were installed. Temporary culvert and rock check dam to provide erosion control for creek flow. Contractor plans to install rock entrance along egret with forecasted warmer temperatures.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date January 13, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services
 CONTRACTOR North Pine Aggregate
 PROJECT MANAGER Dick Burmaster

Day
 Weather
 Temp. °F
 Wind
 Humidity

S	M	T	W	Th	F	S
Bright Sun	Sunny		Over-cast	Rain	Snow	
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 7			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
9:30-10:45	Paul Eickenberg	Stantec	
10:30-11:00a	Jon Janke	Coon Creek Watershed District	

Equipment at the Site

Backhoe (CAT 336 E-33), mini backhoe, dump truck, and dozer (CAT D-37)

Unusual Items

Geotechnical Engineer reviewed and approved excavation and backfill noting soft areas in north and south corners of filter basin do not require any additional excavation, backfill, or compaction to be suitable for designed purposed. Groundwater present onsite does not appear to be impacting backfill function.

Construction Activities

Contractor completed excavating basin, hauling excavated material offsite, and importing backfill material. Contractor spread backfill material with dozer traveling back and forth numerous times to compact the material to a relatively smooth finished grade. Contractor surveyed excavation depth and maintained load tickets to estimate excavated quantity. No trash or concrete encountered within excavation extent.

Contractor installed earthen berm between Epiphany Creek and the filter. Contractor installed geotechnical fabric and riprap Creekside along the earthen berm.

Contractor plans to install outlet structure and filter liner on Monday. Owner told contractor that Monday is a holiday (MLK Day) and that Engineer and City would be unavailable but Owner would be onsite if questions arise.

Contractor plans to install plumbing and filter material next week. Contractor plans to have sand and iron delivered premixed and till in biochar onsite with tiller. Contractor indicated potentially completing work by the end of next week and return in the spring to install the grass pave system, trees, and miscellaneous items.

Contractor requested consideration of alternatives for erosion control blanket as ground will likely be frozen during installation limiting the ability to secure the blanket. Owner indicated blown straw would be an acceptable alternative but hudromulch would be preferred. Contractor to provide estimate for hydromulch.

Contractor to install rock construction entrance with warmer temperatures forecasted in anticipation of potential tracking onto Egret Blvd. Contractor to continue sweeping Egret if any tracking occurs. Contractor to install biorolls around the perimeter of the site and trail protection along access route.

Sidewalk closed and truck hauling signage were installed. Temporary culvert and rock check dam to provide erosion control for creek flow.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date January 12, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	M	T	W	Th	F	S
Bright	Sunny	Over-	Rain	Snow		
Sun	cast					
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 6			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
1:30-2:00p	Jon Janke	Coon Creek Watershed District	

Equipment at the Site

Backhoe (CAT 336 E-33), dump truck, and dozer (CAT D-37)

Unusual Items

Owner installed detour signage where trail was closed to direct pedestrian traffic around the construction area along existing trails and crosswalks.

Construction Activities

Contractor continued excavating basin, hauling material offsite, and importing backfill material. Contractor anticipates completing excavation and backfill by the end of the day. Sidewalk closed and truck hauling signage were installed. Contractor installed a temporary culvert and rock check dam to provide erosion control to restore creek flow. Access routes thawed slightly in afternoon causing some tracking onto Egret Blvd. Approximately 11 dump trucks hauling throughout the day. Contractor plans to swept tracked material from Egret Blvd and install rock construction entrance if site conditions continue to deteriorate. Contractor was able to excavate without dewatering. Some groundwater backfilled overnight pooling approximately 1 inch above the backfilled material. Contractor plans to install liner tomorrow or early next week. Owner provided some field clarification on preferred construction methods for installation of liner, plumbing, outlet structure, and berm. Contractor to install biorolls around the perimeter of the site and trail protection along access route.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date January 11, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	M	T	W	Th	F	S
Bright	Sunny	Over-	Rain	Snow		
Sun		cast				
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 5			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
12:15-12:45p	Jon Janke	Coon Creek Watershed District	
12:15-12:45p	Tyler Thompson	Coon Creek Watershed District	

Equipment at the Site

Backhoe (CAT 336 E-33), dump truck, and dozer (CAT D-37)

Unusual Items

Geotechnical Engineer scheduled to be onsite Friday to review and approve excavation and backfill.

Construction Activities

Contractor began excavating basin, hauling material offsite, and importing backfill material. Sidewalk closed and truck hauling signage were installed. Contractor plugged Ditch 52 with dirt material from onsite to prevent any stormwater discharge from the site. Contractor plans to restore flow overnight and install temporary culvert and rock check dam to provide erosion control for creek flow. Access routes were sufficiently frozen and snow/ice covered that limited tracking occurred with approximately 10 dump trucks hauling throughout the day. Contractor swept Egret Blvd at end of day. Contractor noted that the soils in the south corner of the basin were soft but the rest of the site had clean transition between peat (top) and sand (bottom). Contractor was able to excavate without dewatering. Some groundwater backfilled the excavation but slow enough the contractor was able to backfill material before much inundation occurred.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date January 10, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	M	<u>T</u>	W	Th	F	S
Bright	Sunny	<u>Over-</u>		Rain		Snow
Sun		cast				
<62	<u>32</u> -50	50-70	70-85	85-100	>100	
<u>Still</u>	<u>Moder.</u>	High	Report No. 4			
Dry	<u>Moder.</u>	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
12:30-1:00p	Jon Janke	Coon Creek Watershed District	

Equipment at the Site
 Backhoe (CAT 336 E-33), dump truck, and dozer (CAT D-37)

Unusual Items
 Owner repaired minor damages to message center along Egret Blvd and installed photo point locations around the project to capture construction progress imagery.

Construction Activities
 Subcontractor demobilized backhoe. Several loads of remaining stockpiled material to be hauled offsite today.
 Contractor mobilized backhoe and port-a-potty.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date January 9, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services
 CONTRACTOR North Pine Aggregate
 PROJECT MANAGER Dick Burmaster

Day
 Weather
 Temp. °F
 Wind
 Humidity

S	M	T	W	Th	F	S
Bright Sun	Sunny	Over-cast	Rain	Snow		
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 3			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
12-12:30p	Jon Janke	Coon Creek Watershed District	
12-12:30p	Tyler Thompson	Coon Creek Watershed District	

Equipment at the Site

Backhoe (CAT 336F), dump truck, and dozer (CAT D-37)

Unusual Items

Minor damage to message center along Egret Blvd. Appears to have been caused during plowing activities.

Construction Activities

Subcontractor completed site clearing and continued hauling stockpiled material offsite. Owner reviewed and approved completion of site clearing. Subcontractor anticipates completing stockpile hauling by tomorrow.

Contractor mobilized dozer and established survey control and some grade staking.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date January 6, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services
 CONTRACTOR North Pine Aggregate
 PROJECT MANAGER Dick Burmaster

Day
 Weather
 Temp. °F
 Wind
 Humidity

S	M	T	W	Th	F	S
Bright	Sunny	Over-	Rain	Snow		
Sun	cast					
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 2			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
8-8:30a	Jon Janke	Coon Creek Watershed District	

Equipment at the Site
 Backhoe (CAT 336F), dump truck, and skidsteer

Unusual Items

Construction Activities
 Subcontractor continued site clearing and began hauling stockpiled material offsite. Owner provided field direction for several trees along the boundary of the project area.

Contractor plowed access routes and Egret right-of-way to help frost penetration and reduce risk of damages to access and staging areas. Little to no frost below snowpack within project area.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator



Construction Report

Date January 5, 2023

PROJECT Epiphany Creek Biochar- and Iron-Enhanced Sand Filter Weather
 JOB NO. PAN 22-001, #227705055
 ENGINEER Stantec Consulting Services Temp. °F
 CONTRACTOR North Pine Aggregate Wind
 PROJECT MANAGER Dick Burmaster Humidity

S	M	T	W	Th	F	S
Bright	Sunny	Over-	Rain	Snow		
Sun	cast					
<32	32-50	50-70	70-85	85-100	>100	
Still	Moder.	High	Report No. 1			
Dry	Moder.	Humid				

Average Field Force			
Name of Contractor	Administration	Labor	Remarks
North Pine Aggregate	Brent Jensen		
Visitors			
Time	Name	Representing	Remarks
11-11:30a	Jon Janke	Coon Creek Watershed District	

Equipment at the Site

Backhoe (CAT 336F)

Unusual Items

Owner established 5 survey benchmarks surrounding project area and provided map, coordinates, and elevations for each benchmark to contractor. Owner installed lath indicating construction limits. Owner installed message centers at project site entrances with project related messaging and take away factsheet. Owner documented condition of project area, access, and trail system.

Construction Activities

Subcontractor began site clearing. Plans to stockpile material today and begin hauling material offsite tomorrow. Owner and contractor reviewed project boundary staking with subcontractor.

- Distribution:
1. Contractor
 2. Subcontractor(s)
 3. Engineer
 4. Owner
 5. City of Coon Rapids
 6. Project File

By Jon Janke Title Operations and Maintenance Coordinator