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Engineering Answers

Zachary A. Jilek, CPESC, CISEC
 Environmental Services Dept. Manager

E&A - P2021.321.000

Inspector: Shaun McGuire		Stage
Project Name:	Morgan Ridge CSW-202207264	1
For Week Ending:	7/6/2024	
Project Location:	Southwest corner of Kempton Creek Drive and 156th Street - Bennington, NE (Douglas County)	68007

Grading:	95%			
Sanitary Sewer:	75%			
Storm Sewer:	1%			
Paving:	0%			
Seeding:	50%			
Utilities:	0%			
Overall Development:	5%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					Week 1
Sunday:	0.00"				
Monday	0.66"				
Tuesday	1.49"				
Wednesday	0.00"				
Thursday	0.06"	7/4/2024	Cloudy 80/61	9:40 AM	
Friday	0.00"				
Saturday	0.12"				

Complaints:

Construction Sequencing:

Which portion(s) (i.e. drainage basins) of the site have had a temporary or permanent cessation of grading, earthwork, or ground disturbance in the last 14 days?

Grading the site (4/20/23). Sanitary began (3/14/24).

Which portion(s) (i.e. drainage basins) of the site do not have grading, earthwork, or ground disturbance scheduled in the next 14 days?

Grading the site (4/20/23). Sanitary began (3/14/24).

What temporary or permanent stabilization measures listed in this section are being implemented?

Existing vegetation (4/20/23). Northwestern area seeded (7/27/23). Southern area seeded (8/17/23).

Checklist Questions:

Are receiving waters adjacent to the project free of any significant signs of erosion or sediment that would be associated with the construction activity?

Yes

Create Corrective Action?

N/A

Have disturbed areas been seeded or otherwise stabilized as required? List inactive portions of the project and if stabilization measure are adequate or needed to prevent erosion.

Yes

Create Corrective Action?

N/A

Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?

Yes

Create Corrective Action?

N/A

Are construction entrances and adjacent streets being maintained adequately?

No

Create Corrective Action?

No, See BMP section.

Is dust associated with the construction activity adequately controlled on the site?

Yes


Create Corrective Action?

N/A

Comments:

Comments:					
The site was active during the most recent inspection.					
Findings / Corrective Actions (Date):					
Findings / Corrective Actions (Date):					
Some maintenance is needed in the BMP section.					
Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 1	Construction Entrance	OO-23	4/20/2023	Active	Yes
Current Condition:	Fair Condition - 30% Effective - Ruff Grading installed the construction entrance prior to the 6/15/23 inspection. Ruff Grading added more rock to the construction entrance prior to the 8/17/23 inspection. Construction entrance should have more rock added and be lengthened. Ruff Grading and Hubbell Homes were informed to complete by 10/12/23. Not done as of last inspection. Ruff Grading and Hubbell Homes were reminded on 10/19/23, 11/10/23, 3/15/24, 5/24/24, 6/13/24				
D 1	Diversion	BB-4	6/29/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the diversion prior to the 6/29/23 inspection.				
D 2	Diversion	R-5 to Z-4	7/27/2023	Active	Yes
Current Condition:	Fair Condition - Ruff Grading installed the diversion prior to the 7/27/23 inspection. Diversion should be re-defined where impacted. Ruff Grading and Hubbell Homes were informed to complete by 11/16/23. Not done as of last inspection. Roloff was informed to complete by 6/20/24.				
D 3	Diversion	R-5 to S-4		Removed	
Current Condition:	Removed - Diversion no longer needed as of the 11/16/23 inspection.				
D 4	Diversion	I-9 to R-3	8/10/2023	Active	Yes
Current Condition:	Fair Condition - Ruff Grading installed the diversion prior to the 8/10/23 inspection. Ruff Grading re-defined the diversion prior to the 11/9/23 inspection. Diversion should be re-defined where impacted. Ruff Grading and Hubbell Homes were informed to complete by 11/16/23. Not done as of last inspection. Ruff Grading and Hubbell Homes were reminded on 5/24/24. Roloff was informed to complete by 6/20/24				
D 5	Diversion	I-8 to E-8	7/13/2023	Active	No
Current Condition:	Fair Condition - Ruff Grading installed the diversion prior to the 7/13/23 inspection. Diversion was damaged during grading activity by Pruss Excavation for the Hagen Hills East property to the west. Pruss Excavation was informed to repair the diversion by 11/27/23. Finding will be listed on the Hagen Hills East report (CSW-202308063).				
D 6	Diversion	C-8 to D-8	7/13/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the diversion prior to the 7/13/23 inspection.				
D 7	Diversion	BB-11 to BB-12	9/21/2023	Active	Yes
Current Condition:	Fair Condition - Ruff Grading installed the diversion prior to the 9/21/23 inspection. Diversion should be re-defined. Ruff Grading and Hubbell Homes were informed to complete by 10/26/23. Not done as of last inspection. Ruff Grading and Hubbell Homes were reminded on 11/10/23, 3/15/24, 5/24/24, 6/13/24				
D 8	Diversion	BB-18 to BB-20	9/21/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the diversion prior to the 9/21/23 inspection.				
D 9	Diversion	NN-23	4/25/2024	Active	No
Current Condition:	Good Condition - Ruff Grading installed the diversion prior to the 4/25/24 inspection.				
D 10	Diversion	AA-33		Removed	
Current Condition:	Removed - Ruff Grading removed the diversion during grading of Phase II prior to the 4/25/24 inspection. Reinstallation not recommended.				
D 11	Diversion	G-13 to H-13	8/3/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the diversion prior to the 8/3/23 inspection.				
D 12	Diversion	K-14 to H-14	8/3/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the diversion prior to the 8/3/23 inspection.				
EM 1	Erosion Matting	See SWPPP	4/20/2023	Pending	No
Current Condition:	Pending - BMP will be installed when work begins/ends in the area. E&A inspector will monitor.				
EM 2	Erosion Matting	See SWPPP	4/20/2023	Pending	No
Current Condition:	Pending - BMP will be installed when work begins/ends in the area. E&A inspector will monitor.				
EM 3	Erosion Matting	See SWPPP	8/10/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the erosion control matting prior to the 8/10/23 inspection.				
EM 4	Erosion Matting	See SWPPP	4/20/2023	Pending	No
Current Condition:	Pending - BMP will be installed when work begins/ends in the area. E&A inspector will monitor.				
EM 5	Erosion Matting	See SWPPP	6/13/2024	Pending	Yes
Current Condition:	Pending - Erosion control matting should be installed around SB A. Roloff was informed to complete by 6/20/24. Not done as of last inspection.				
EM 6	Erosion Matting	See SWPPP	6/13/2024	Pending	Yes

Current Condition:	Pending - Erosion control matting should be installed around SB B. Roloff was informed to complete by 6/20/24. Not done as of last inspection.				
ET 1	Erosion Control Terrace	See SWPPP	9/21/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the erosion control terrace prior to the 9/21/23 inspection.				
ET 2	Erosion Control Terrace	See SWPPP	9/21/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the erosion control terrace prior to the 9/21/23 inspection.				
ET 3	Erosion Control Terrace	See SWPPP	9/21/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the erosion control terrace prior to the 9/21/23 inspection.				
ET 4	Erosion Control Terrace	See SWPPP	9/21/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the erosion control terrace prior to the 9/21/23 inspection.				
ET 5	Erosion Control Terrace	See SWPPP	9/21/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the erosion control terrace prior to the 9/21/23 inspection.				
ET 6	Erosion Control Terrace	See SWPPP	4/20/2023	Pending	No
Current Condition:	Pending - BMP will be installed when grading begins/ends in the area. E&A inspector will monitor.				
ET 7	Erosion Control Terrace	See SWPPP		Removed	
Current Condition:	Removed - Ruff Grading removed the erosion control terrace during grading of Phase II prior to the 4/25/24 inspection. Reinstallation not recommended.				
ET 8	Erosion Control Terrace	See SWPPP	9/21/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the erosion control terrace prior to the 9/21/23 inspection.				
ET 9	Erosion Control Terrace	See SWPPP	9/21/2023	Active	No
Current Condition:	Good Condition - Ruff Grading installed the erosion control terrace prior to the 9/21/23 inspection.				
FT 1	Fuel Tank	On site		Removed	
Current Condition:	Removed - Ruff Grading removed the fuel tank prior to the 8/31/23 inspection.				
PB 1	Portable toilet	On site		Removed	
Current Condition:	Removed - Ruff Grading removed the portable toilet prior to the 9/7/23 inspection.				
RN 4	Erosion Control Matting	West of SB A	4/18/2024	Pending	No
Current Condition:	Pending - Erosion Control Matting will be installed once work in the area is complete.				
RN 6	Erosion Control Matting	West of SB B	4/18/2024	Pending	No
Current Condition:	Pending - Erosion Control Matting will be installed once work in the area is complete.				
SB A	Sediment Basin	AA-4	4/20/2023	Pending	Yes
Current Condition:	Fair Condition - 65% Filled - Ruff Grading began shaping the basin prior to the 6/8/23 inspection. Ruff Grading was in the process of installing the riser and outflow pipe during the 11/2/23 inspection. Ruff Grading installed the riser and outflow pipe prior to the 11/16/23 inspection. 1.) Basin should be installed per SWPPP (Baffle, de-watering holes on riser). 2.) Basin should be cleaned out. 1.) Ruff Grading was informed to complete by 5/25/23. Not done as of the last inspection. Ruff Grading was reminded on 6/1/23, 7/14/23, 8/4/23, 8/10/23, 10/5/23, 10/19/23, 11/10/23 2.) Contractor will be hired to clean the basin out in the Spring. E&A will evaluate contractor and inform them to complete ASAP as of 6/7/2024.				
SB B	Sediment Basin	R-4	4/20/2023	Active	Yes
Current Condition:	Fair Condition - 65% Filled - Ruff Grading began shaping the basin prior to the 6/8/23 inspection. Ruff Grading installed the riser and outflow pipe prior to the 11/2/23 inspection. 1.) Basin should be installed per SWPPP (Baffle). 2.) Basin should be cleaned out. 1.) Ruff Grading was informed to complete by 5/25/23. Not done as of the last inspection. Ruff Grading was reminded on 6/1/23, 7/14/23, 8/4/23, 8/10/23, 10/5/23, 10/19/23, 11/10/23 2.) Contractor will be hired to clean the basin out in the Spring. E&A will evaluate contractor and inform them to complete ASAP as of 6/7/2024.				
SB C	Sediment Basin	D-8	4/20/2023	Active	Yes
Current Condition:	Fair Condition - 65% Filled - Ruff Grading began shaping the basin prior to the 6/29/23 inspection. Ruff Grading installed the riser and outflow pipe prior to the 11/2/23 inspection. 1.) Basin should be installed per SWPPP (Baffle). 2.) Basin should be cleaned out. 1.) Ruff Grading was informed to complete by 5/25/23. Not done as of the last inspection. Ruff Grading was reminded on 6/1/23, 7/14/23, 8/4/23, 8/10/23, 10/5/23, 10/19/23, 11/10/23 2.) Contractor will be hired to clean the basin out in the Spring. E&A will evaluate contractor and inform them to complete ASAP as of 6/7/2024.				
SB D	Sediment Basin	HH-32 to NN-29	4/20/2023	Pending	Yes
Current Condition:	Pending - Ruff Grading began excavation on the basin prior to the 12/21/23 inspection. Basin should be installed per SWPPP. Ruff Grading and Hubbell Homes were informed to complete by 11/16/23. Not done as of last inspection. Ruff Grading and Hubbell Homes were reminded on 3/15/24, 5/24/24, 6/13/24				
SF 1	Silt Fence	Western Perimeter	4/20/2023	Active	Yes

Current Condition:	<p>Fair Condition - Ruff Grading installed a portion of the silt fence was installed on the west side of the site prior to the 4/20/23 inspection. Ruff Grading installed the remainder of the silt fence prior to the 5/4/23 inspection. Ruff Grading maintained the silt fence prior to the 8/31/23 inspection. A portion of the silt fence was removed for grading activity by Pruss Excavation for the Hagen Hills East property to the west prior to the 11/23/23 inspection. Re-installation not recommended.</p> <p>Silt fence should be cleaned out and repaired.</p> <p>Ruff Grading was informed to complete by 10/12/23. Not done as of last inspection. Ruff Grading and Hubbell Homes were reminded on 10/19/23, 11/10/23, 3/15/24, 5/24/24, 6/13/24</p>				
SF 2	Silt Fence	Southeastern Perimeter		Removed	
Current Condition:	Removed - Ruff Grading removed the silt fence during grading of Phase II prior to the 4/25/24 inspection. Reinstallation not recommended.				
SF 3	Silt Fence	Southeastern Perimeter		Removed	
Current Condition:	Removed - Ruff Grading removed the silt fence during grading of Phase II prior to the 4/25/24 inspection. Reinstallation not recommended.				
SF 4	Silt Fence	Eastern Perimeter		Removed	
Current Condition:	Removed - Ruff Grading removed the silt fence during grading of Phase II prior to the 4/25/24 inspection. Reinstallation not recommended.				
SF 5	Silt Fence	Northeastern Perimeter		Removed	
Current Condition:	Removed - Ruff Grading removed the silt fence during grading of Phase II prior to the 4/25/24 inspection. Reinstallation not recommended.				
SF 6	Silt Fence	Northern Perimeter	4/20/2023	Pending	No
Current Condition:	Pending - BMP will be installed when grading begins/ends in the area. E&A inspector will monitor.				
SF 7	Silt Fence	Northeastern Perimeter	8/31/2023	Active	Yes
Current Condition:	<p>Fair Condition - Ruff Grading installed silt fence prior to the 8/31/23 inspection. Ruff Grading and Hubbell Homes repaired the silt fence and added an additional row of silt fence prior to the 10/10/23 inspection.</p> <p>Silt fence should be cleaned out and repaired.</p> <p>Ruff Grading was informed to complete by 10/26/23. Not done as of last inspection. Ruff Grading and Hubbell Homes were reminded on 11/10/23, 3/15/24, 5/24/24, 6/13/24</p>				
STA	Sediment Trap	H-13	8/3/2023	Active	No
Current Condition:	Good Condition - 3% Filled - Ruff Grading began shaping the sediment trap prior to the 7/27/23 inspection. Ruff Grading installed the sediment trap prior to the 8/3/23 inspection.				
MS 1	Material Storage	On Site	4/20/2023	Pending	No
Current Condition:	Pending - Materials will be stored in designated areas.				
WO 1	Concrete Washout	On Site	4/20/2023	Pending	No
Current Condition:	Pending - Concrete will be properly contained. Ruff Grading removed the concrete waste prior to the 3/14/24 inspection.				
WS 1	Waste Storage	On Site	4/20/2023	Pending	No
Current Condition:	Pending - Waste will be stored in proper containment.				
STR	Streets	N 156th Street	4/20/2023	Active	Yes
Current Condition:	<p>Fair Condition - The streets were free of track out as of the 4/20/23 inspection. Streets were partially cleaned prior to the 8/17/23 inspection.</p> <p>Streets should be cleaned.</p> <p>Ruff Grading was informed to complete by 8/11/23. Not done as of last inspection. Ruff Grading and Hubbell Homes were reminded on 10/5/23, 10/19/23, 11/10/23, 3/15/24, 5/24/24, 6/13/24</p>				
SWPPP Sign	SWPPP Notification Sign	On Site	5/11/2023	Active	No
Current Condition:	Good Condition - E&A inspector installed the SWPPP sign during the 5/11/23 inspection.				
Certification Statement:	<p>"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fines and imprisonment for knowing violations."</p>				
Inspector Signature:				Reviewed By: 