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Engineering Answers

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 Environmental Services Dept. Manager

E&A - P2019.032.000

Inspector: Bryce Wright		Stage
Project Name:	Kempton Creek 2 CSW-202106167	1
For Week Ending:	1/13/2024	
Project Location:	North 168th Street and Bennington Road - Bennington, NE (Douglas County)	68007

Grading:	100%			
Sanitary Sewer:	100%			
Storm Sewer:	100%			
Paving:	90%			
Seeding:	40%			
Utilities:	0%			
Overall Development:	30%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	Storm event time
					Week 1
Sunday:	0.00"				
Monday:	0.26"				
Tuesday:	0.05"	1/9/2024	Overcast 19	11:35 AM	
Wednesday:	0.01"				
Thursday:	0.00"				
Friday:	0.00"				
Saturday:	0.00"				

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 Began (11/29/22). Grading ceased (12/20/23). Grading resumed on site (3/14/23). Spreading top soil across entire site (5/16/23). Final grade reached and grading ceased across the entire site (5/23/23). Sanitary sewer installation began (8/29/23). Storm sewer installation began (10/9/23). Paving began (11/14/23). Paving and construction ceased on site (1/2/24).

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 Began (11/29/22). Grading ceased (12/20/23). Grading resumed on site (3/14/23). Spreading top soil across entire site (5/16/23). Final grade reached and grading ceased across the entire site (5/23/23). Sanitary sewer installation began (8/29/23). Storm sewer installation began (10/9/23). Paving began (11/14/23). Paving and construction ceased on site (1/2/24).

What temporary or permanent stabilization measures listed in this section are being implemented?
 Existing Vegetation (11/29/22).

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.
 No
 Create Corrective Action?
 No, See findings section

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?
 Yes
Create Corrective Action?
 N/A

Is dust associated with the construction activity adequately controlled on the site?
 Yes
Create Corrective Action?
 N/A

Comments:
Comments:
 The site was inactive during the last inspection.

Findings / Corrective Actions (Date):
Findings / Corrective Actions (Date):
 1.) Some maintenance is required in the BMP section at this time.
 2.) All bare areas on-site that have been inactive for 14 days should be seeded. HRC Development was informed to complete by 11/21/23. Not done as of the last inspection.

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 1	Construction Entrance	X-11		Removed	
Current Condition:	Removed - Echo Valley paved all entrances prior to the inspection on 12/5/23.				
D1	Diversion	D-8 to K-8	5/23/2023	Active	No
Current Condition:	Good Condition - HRC Development installed the diversion prior to the inspection on 5/23/23.				
D2	Diversion	East of SB B	5/23/2023	Active	Yes
Current Condition:	Fair Condition - HRC Development installed the diversion prior to the inspection on 5/23/23. K2 Construction removed sections of the diversion for sanitary sewer installation prior to the inspection on 8/29/23. Diversion should be reinstalled where removed for sanitary installation. K2 Construction was informed to complete by 9/19/23. Not done as of the last inspection. K2 Construction was reminded on 10/18/23, 11/16/23				
D3	Diversion	Southeast of SB A	5/23/2023	Active	Yes
Current Condition:	Fair Condition - HRC Development installed the diversion prior to the inspection on 5/23/23. Diversion should be extended east across Kempten Creek Drive to prevent sediment from washing onto the street. K2 Construction was informed to complete by 10/24/23. Not done as of the last inspection. K2 Construction and HRC Development was reminded on 11/16/23				
D4	Diversion	South of SB A	5/23/2023	Active	Yes
Current Condition:	Fair Condition - HRC Development installed the diversion prior to the inspection on 5/23/23. K2 Construction removed sections of the diversion for sanitary sewer installation prior to the inspection on 8/29/23. Diversion should be reinstalled where removed for sanitary installation. K2 Construction was informed to complete by 9/19/23. Not done as of the last inspection. K2 Construction was reminded on 10/18/23, 11/16/23				
ET 1	Erosion Control Terraces	B-9 to G-10	6/6/2023	Active	No
Current Condition:	Good Condition - HRC Development installed the erosion control terrace prior to the inspection on 6/6/23.				
ET 2	Erosion Control Terraces	B-9 to I-10	6/6/2023	Active	No
Current Condition:	Good Condition - HRC Development installed the erosion control terrace prior to the inspection on 6/6/23.				
ET 3	Erosion Control Terraces	B-7 to K-10	6/6/2023	Active	No
Current Condition:	Good Condition - HRC Development installed the erosion control terrace prior to the inspection on 6/6/23.				
ET 4	Erosion Control Terraces	I-7 to M-10	6/6/2023	Active	No
Current Condition:	Good Condition - HRC Development installed the erosion control terrace prior to the inspection on 6/6/23.				
ET 5	Erosion Control Terraces	Q-10 to Q-8	6/6/2023	Active	No
Current Condition:	Good Condition - HRC Development installed the erosion control terrace prior to the inspection on 6/6/23.				
ET 6	Erosion Control Terraces	R-10 to R-7	6/6/2023	Active	No
Current Condition:	Good Condition - HRC Development installed the erosion control terrace prior to the inspection on 6/6/23.				
ET 7	Erosion Control Terraces	S-7 to U-10	6/6/2023	Active	No

Current Condition:	Good Condition - HRC Development installed the erosion control terrace prior to the inspection on 6/6/23.				
FT 1	Fuel Tank	On site	12/6/2022	Pending	No
Current Condition:	Pending - Ruff Grading brought a fuel tank on site prior to the inspection on 12/6/22. Ruff Grading removed the fuel tank from site during the inspection on 3/28/23. Ruff Grading installed a fuel tank and secondary containment prior to the inspection on 4/11/23. Ruff Grading moved the fuel tank to the Morgan Ridge subdivision prior to the inspection on 5/2/23.				
MS 1	Material Storage Area	On site	11/4/2022	Active	No
Current Condition:	Good Condition-Material and vehicle staging area occurring on-site by Ruff fuel tanker as of 12/26/22				
PB 1	Portable toilet	On site	4/11/2023	Pending	No
Current Condition:	Pending - Ruff Grading installed and secured a portable toilet on site prior to the inspection on 4/11/23. Ruff Grading secured the portable toilet during the inspection on 4/18/23. Ruff Grading moved the portable toilet to the Morgan Ridge subdivision prior to the inspection on 5/2/23. K2 Construction installed and secured a portable toilet on site prior to the inspection on 8/29/23. K2 Construction removed the portable toilet from the site prior to the inspection on 10/24/23. Echo Valley installed and secured a portable toilet on site prior to the inspection on 11/28/23. Echo Valley removed the portable toilet from the site prior to the inspection on 1/9/24.				
SB A	Sediment Basin	Z-9	11/14/2023	Active	Yes
Current Condition:	Fair Condition - HRC Development began shaping the basin prior to the inspection on 3/21/23. HRC Development was in the process of installing the riser and outfall pipe during the inspection on 11/7/23. HRC Development installed the riser prior to the inspection on 11/14/23. E&A inspector painted the cleanout mark on the riser during the inspection on 11/28/23. Dewatering holes should be installed in the riser. HRC Development was informed to complete by 11/21/23. Not done as of the last inspection.				
SB B	Sediment Basin	L-7	3/21/2023	Pending	Yes
Current Condition:	Pending - HRC Development began shaping the basin prior to the inspection on 3/21/23. HRC Development repaired the erosion on the outerbank of the basin prior to the inspection on 12/12/23. Basin should be installed per plan. HRC Development was informed to complete by 3/28/23. Not done as of the last inspection. HRC Development was reminded on 5/4/23, 6/21/23, 8/22/23, 10/18/23, 11/16/23				
SF 1	Silt fence	West edge of site	11/29/2022	Active	No
Current Condition:	Good Condition - HRC Development installed the silt fence prior to the inspection on 11/29/22. HRC Development cleaned out the silt fence in multiple locations prior to the inspection on 3/6/23. HRC Development installed additional silt fence checks in multiple high flow areas prior to the inspection on 3/14/23.				
SF 2	Silt fence	West edge of site	11/29/2022	Active	No
Current Condition:	Good Condition - HRC Development installed the silt fence prior to the inspection on 11/29/22. HRC Development trenched in the silt fence where undermined prior to the inspection on 3/6/23. HRC Development repaired the silt fence prior to the inspection on 3/28/23. HRC Development repaired the entire run of silt fence prior to the inspection on 12/12/23.				
SF 3	Silt fence	East edge of site	3/14/2023	Active	No
Current Condition:	Good Condition - HRC Development installed the silt fence prior to the inspection on 3/14/23. Due to the grade silt fence along the edge of the site near Daniel Street is no longer necessary as of 5/23/23.				
WO 1	Concrete Washout	On site	11/21/2023	Pending	No
Current Condition:	Pending - Echo Valley installed a concrete washout on site prior to the inspection on 11/21/23. Echo Valley installed a second concrete washout pit with liner prior to the inspection on 12/5/23. Echo Valley removed the concrete washouts on site and pile up concrete rubble in preparation for removal prior to the inspection on 12/12/23.				
WS 1	Waste Storage Area	On site	11/4/2022	Pending	No
Current Condition:	Pending - There is currently no need for a designated waste storage area on-site due to no waste materials being generated or stored on-site; the E&A inspector will continue to monitor.				
STR	Streets	Bennington Road, N. 168th Street	11/4/2022	Active	No
Current Condition:	Good Condition - HRC Development was cleaning all interior and exterior streets during the inspection on 12/19/23.				
SWPPP Sign	SWPPP Notification Sign	Adjacent to CE 1	11/4/2022	Active	No
Current Condition:	Good Condition - SWPPP inspector installed the sign during the inspection on 12/20/22.				
Certification Statement:	"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."				

Inspector Signature: *Bryce M Wright*

Reviewed By: *Rob Williams*