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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 CSW-202004665	1
For Week Ending:	3/26/2022	
Project Location:	North 156th Street and Bennington Road - Bennington, NE (Douglas County)	68007

Grading:	85%			
Sanitary Sewer:	70%			
Storm Sewer:	70%			
Paving:	70%			
Seeding:	75%			
Utilities:	0%			
Overall Development:	10%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					Week 1
Sunday:	0.00"				
Monday	0.13"	3/21/2022	Mostly Cloudy 68	2:35 PM	
Tuesday	0.64"				
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?

Roth began mass grading the site (8/18/20), Site is inactive due to winter conditions (12/17/20). Storm and sewer installation began (7/12/21). Riser installation began (1/3/22). Basin fully installed (1/31/22).

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

Roth began mass grading the site (8/18/20), Site is inactive due to winter conditions (12/17/20). Storm and sewer installation began (7/12/21). Riser installation began (1/3/22). Basin fully installed (1/31/22).

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

Existing vegetation (8/18/20). Boyer Young seeded a majority of the site (4/23/21).

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?

No

Create Corrective Action?

No, see BMP and Findings Section.

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?

No

Create Corrective Action?

No, See BMPs Section

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.

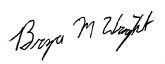
Findings / Corrective Actions (Date):

Findings / Corrective Actions (Date):

- 1.) Some maintenance is needed in the BMP section.
- 2.) Sediment should be cleaned up on the outside of SF 5. Boyer young was informed to complete by 3/22/21. Not done as of last inspection. Boyer Young was reminded on 3/26/21, 4/13/21, 5/11/21, 5/28/21, 7/9/21, 7/16/21, 8/3/21, 8/11/21, 9/2/21, 9/30/21, 10/15/21, 10/29/21, 11/12/21 Boyer Young graded and is working on paving the area prior to the inspection on 12/6/21.
- 3.) Erosion rills on the west side of the site should be backfilled and compacted to disperse water. Boyer Young was informed to complete by 7/14/21. Not done as of the last inspection. Boyer Young was reminded on 7/16/21, 8/3/21, 8/11/21, 9/2/21, 9/30/21, 10/15/21, 10/29/21, 11/12/21, 12/9/21. Erosion rills will be filled in once lots begin to be built on. Maintenance will not be required as of 3/7/22.

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 1	Construction Entrance	D-2	8/18/2020	Active	Yes
Current Condition:	Fair Condition - 30% effective - Roth Enterprises installed the construction entrance prior to the inspection on 8/18/20. Rock should be added to the entrance. Boyer Young was informed to complete by 4/16/21. Not done as of the last inspection. No response received as of the last inspection. Boyer Young was reminded on 5/11/21, 5/28/21, 7/9/21, 7/16/21, 8/3/21, 8/11/21, 9/2/21, 9/30/21, 10/15/21, 10/29/21, 11/12/21, 12/9/21, 3/9/22				
D1	Diversion	O-15 to M-6	11/9/2020	Active	No
Current Condition:	Good Condition - Roth installed the diversion prior to the 11/9/20 inspection. Boyer Young redefined the diversion prior to the inspection on 7/6/21.				
D2	Diversion	NW Corner	3/24/2021	Active	Yes
Current Condition:	Fair Condition - Roth Enterprises installed diversions 3/21/21 in the northeast and southwest corners of the site. E&A inspector will monitor during next inspection as of 3/22/21. Roth Enterprises installed a diversion in the northwest corner of the site prior to the inspection on 3/24/21. Boyer Young extended the diversion to the basin prior to the inspection on 7/10/21. Boyer Young extended the diversion to the north prior to the inspection on 8/23/21. Due to the diversion being regraded and connected to the basin, diversion checks will no longer be recommended as of 9/13/21. Diversion should be redefined on the south end of the diversion. Boyer Young was informed to complete by 7/14/21. Not done as of the last inspection. Boyer Young was reminded on 7/16/21, 8/3/21, 8/11/21, 9/2/21, 9/30/21, 10/15/21, 10/29/21, 11/12/21, 12/9/21, 3/9/22				
D3	Diversion	SW Corner		Removed	
Current Condition:	Removed - Due to paving in the area the diversion is no longer necessary as of 10/25/21				
D4	Diversion	SE Corner	3/24/2021	Active	No
Current Condition:	Good Condition - Roth Enterprises installed diversions 3/21/21 in the northeast and southwest corners of the site. E&A inspector will monitor during next inspection as of 3/22/21. Roth Enterprises installed a diversion in the southeast corner of the site prior to the inspection on 3/24/21. Boyer Young redefined some of the diversion prior to the inspection on 8/23/21. Boyer Young redefined the diversion and was in the process of reinstalling the diversion around a stub road during the inspection on 11/22/21.				
ET 1-5	Erosion Control Terraces	E-14, E-16, E-18, H-16, H-18	9/22/2020	Pending	No
Current Condition:	Pending - The remaining erosion control terraces will be installed when their respective areas are near the final grade. Roth Enterprises installed ET 4,5 prior to the inspection on 9/22/20. Roth Enterprises removed ET 4 during mass grading prior to the inspection on 10/05/20. The E&A inspector will monitor for reinstallation when area is near final grade. All farm terraces were removed for grading prior to the 10/12/20 inspection. Terraces are no longer necessary since paving is almost complete as of 12/6/21.				
ET 6-10	Erosion Control Terraces	H-19, H-21, K-17, K-19, K-20	9/22/2020	Pending	No
Current Condition:	Pending - Roth Enterprises installed ET 6-10 prior to the inspection on 9/22/20. Roth Enterprises removed ET 8-10 during mass grading prior to the inspection on 10/05/20. The E&A inspector will monitor for reinstallation of the terraces when the area is near final grade. All farm terraces were removed for grading prior to the 10/12/20 inspection. Terraces are no longer necessary since paving is almost complete as of 12/6/21.				
ET 11-15	Erosion Control Terraces	N-17, J-27, K-27, M-27, N-27	10/26/2020	Pending	No
Current Condition:	Pending - The erosion control terraces will be installed when the area is near the final grade. The area of ET 12-15 appeared to be near final grade as of the inspection on 10/05/20. Roth installed ET 12-15 prior to the 10/26/20 inspection. Roth removed all terraces for paving prior to the inspection on 11/11/21. Reinstallation will not be recommended at this time. E&A inspector will continue to monitor.				
FT 1	Fuel Tank	F-19	8/18/2020	Active	Yes

Current Condition:	<p>Fair Condition - Roth Enterprises installed a fuel tank with secondary containment in their staging area near the southwest corner of the site prior to the inspection on 8/18/20. Roth installed a plug in the secondary containment prior to the 10/26/20 inspection. Roth installed a fuel tank and berm around the fuel tank prior to the inspection on 10/13/21. Roth removed the fuel tank prior to the inspection on 1/17/22. Cedar Construction brought a fuel tank on site prior to the inspection on 1/17/22. Cedar Construction removed the fuel tank prior to the inspection on 1/24/22. Luxa brought a fuel tank on site prior to the inspection on 3/21/22 and partially installed a secondary containment berm around it.</p> <p>Secondary containment berm should be installed along the front of the fuel tank.</p> <p>Boyer Young was informed to complete by 3/28/22.</p>				
MS 1	Material Storage Area	E-5	10/15/2020	Pending	No
Current Condition:	Pending - There is currently no need for a designated material storage area on-site due to no materials needing				
PB 1	Portable Bathroom	South of SB A	5/24/2021	Active	No
Current Condition:	Good Condition - Roth removed the portable toilet prior to the 12/7/20 inspection. Roth reinstalled and secured the portable toilet south of SB A prior to the inspection on 5/24/21.				
PB 2	Portable Bathroom	South of SB A	9/13/2021	Active	No
Current Condition:	Good Condition - Roth installed and secured the portable toilet south of SB A prior to the inspection on 9/13/21.				
SB A	Sediment Basin	F-3	9/15/2020	Active	Yes
Current Condition:	<p>Fair Condition - 55% filled - The main upstream discharge area the basin is intended to capture runoff from has not yet been graded. The E&A inspector will continue to monitor and recommend the basin be installed before the main portion of the site upstream from it is graded. Major grading began in the area upstream of the basin prior to the inspection on 10/05/20. Roth dug out the basin prior to the 11/9/20 inspection. Hausman began cleaning out the basin prior to the inspection on 12/6/21. Hausmann cleaned out 50% of the sediment in the basin prior to the inspection on 1/3/22. They will return in the spring to finish the cleanout. Cedar Construction was in the process of installing the riser and outfall pipe during the inspection on 1/3/22. Cedar Construction installed the riser prior to the inspection on 1/17/22. Cleanout mark was measured and unable to be fully painted as of the 1/31/22 inspection. Cleanout mark will be painted once basin is finished being cleaned out.</p> <p>The sediment basin should be cleaned out.</p> <p>Hausman and the SID was informed to complete by 4/22/21. Not done as of the last inspection. Hausman was reminded on 5/11/21, 8/3/21, 8/11/21, 9/2/21, 9/30/21, 10/15/21, 10/29/21, 11/12/21.</p>				
SF 1	Silt fence	M-5 to T-13	8/18/2020	Active	Yes
Current Condition:	<p>Fair Condition - Roth Enterprises installed the silt fence prior to the inspection on 8/18/20. The full portion of silt fence at the east end was removed to allow grading of the future Kempton Creek Drive prior to the inspection on 10/05/20. Boyer Young cleaned out the silt fence prior to the 10/12/20 inspection, the silt fence still needs to be repaired. Boyer Young repaired the silt fence prior to the 11/23/20 inspection. Boyer young cleaned out the silt fence prior to the 4/7/21 inspection. Boyer Young cleaned out and repaired the silt fence prior to the inspection on 5/3/21. Boyer Young reinstalled the silt fence where removed prior to the 8/23/21 inspection. Minor damaged was observed in the silt fence during the 1/31/22 inspection. E&A inspector will continue to monitor and recommend repairs when necessary.</p> <p>Silt fence should be repaired on the east end of the run.</p> <p>Boyer Young was informed to complete by 3/14/22. Not done as of the last inspection.</p>				
SF 2	Silt fence	D-5 to D-11	9/22/2020	Active	Yes
Current Condition:	<p>Fair Condition - The silt fence is not currently necessary as the upstream area has not yet been graded. The E&A inspector will recommend installing the silt fence prior to grading of the upstream area. The area of the silt fence does not drain offsite as of the 10/12/20 inspection, the inspector will monitor for change in grade. Boyer Young installed the silt fence prior to the inspection on 3/15/21.</p> <p>Silt fence should be cleaned out in a few areas. UPDATE: silt fence should be reinstalled.</p> <p>Boyer Young was informed to complete by 3/22/21. Not done as of last inspection. Boyer Young was reminded on 3/26/21, 4/13/21, 5/11/21, 5/28/21, 7/9/21, 7/16/21, 8/3/21, 8/11/21, 9/2/21, 9/30/21, 10/15/21, 10/29/21, 11/12/21, 12/9/21, 3/9/22</p>				
SF 3	Silt fence	D-21 to D-25	9/22/2020	Active	No
Current Condition:	Good Condition - The silt fence is not currently necessary as the upstream area has not yet been graded. The E&A inspector will recommend installing the silt fence prior to grading of the upstream area. Boyer Young installed an additional portion of silt fence that extends to the southeast corner of the site prior to the inspection on 12/17/20, E&A inspector will continue to monitor. Boyer Young cleaned out the silt fence prior to the 4/7/21 inspection. Boyer Young extended the silt fence to the north and around the southwest corner, backfilled the undermined portion, and cleaned out the silt fence prior to the inspection on 8/23/21.				
SF 4	Silt fence	R-16 to P-27	8/18/2020	Active	Yes

Current Condition:	Fair Condition - Roth Enterprises installed the silt fence prior to the inspection on 8/18/20. Boyer Young cleaned out the silt fence prior to the 11/23/20 inspection. Boyer Young cleaned and repaired the silt fence prior to the 4/7/21 inspection. Boyer Young cleaned out and repaired the silt fence prior to the inspection on 5/3/21. Boyer Young repaired and cleaned out the silt fence prior to the inspection on 7/6/21. Boyer Young extended the silt fence to the west prior to the inspection on 7/26/21. Boyer Young cleaned out and repaired the silt fence prior to the inspection on 8/23/21. Boyer Young cleaned out and repaired the silt fence prior to the inspection on 11/22/21. Silt fence should be repaired on the south and north end of the run. Boyer Young was informed to complete by 3/14/22. Not done as of the last inspection.				
SF 5	Silt fence	E-2 to E-5	10/26/2020	Active	Yes
Current Condition:	Fair Condition - Boyer Young installed the silt fence prior to the 10/26/20 inspection. Boyer Young cleaned out the silt fence prior to the 11/23/20 inspection. Boyer Young repaired the silt fence where torn prior to the inspection on 7/6/21. Boyer Young removed the silt fence prior to the inspection on 11/11/21. Boyer Young disturbed area outside where the silt fence was so cleaning up sediment is no longer necessary as of 11/11/21. Silt fence should be reinstalled around disturbed area. Boyer Young was informed to complete by 11/18/21. Not done as of the last inspection. Boyer Young was reminded on 12/9/21, 3/9/22				
SF 6	Silt fence	G-13 to I-13	2/28/2022	Active	No
Current Condition:	Good Condition - Boyer Young installed the silt fence prior to the 2/28/22 inspection.				
WO 1	Concrete Washout	E-5	11/15/2020	Active	Yes
Current Condition:	Fair Condition - Boyer Young installed a concrete washout on site prior to the inspection on 10/26/21. All concrete waste should be removed/cleaned up. Boyer Young was informed to complete by 10/20/21. Not done as of the last inspection. Boyer Young was reminded on 10/29/21, 11/12/21, 12/9/21, 3/9/22				
WS 1	Waste Storage Area	E-5	11/15/2020	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.				
WT 1	Straw Wattles	AA-10	10/22/2020	Pending	No
Current Condition:	Pending - The area was graded prior to the inspection on 10/05/20. Due to the area being planted and harvested with corn, the straw wattles will not be recommended at this time. The E&A inspector will continue to monitor.				
WT 2	Straw Wattles	AA-11	10/22/2020	Pending	No
Current Condition:	Pending - The area was graded prior to the inspection on 10/05/20. Due to the area being planted and harvested with corn, the straw wattles will not be recommended at this time. The E&A inspector will continue to monitor.				
WT 3	Straw Wattles	Z-13	10/22/2020	Pending	No
Current Condition:	Pending - The area was graded prior to the inspection on 10/05/20. Due to the area being planted and harvested with corn, the straw wattles will not be recommended at this time. The E&A inspector will continue to monitor.				
STR	Streets	Bennington Road, N. 156th Street	8/18/2020	Active	Yes
Current Condition:	Fair Condition - The streets were free of track out as of the last inspection. Street should be cleaned daily or as needed to limit track out. Boyer Young was informed to complete by 10/20/21. Not done as of the last inspection. Boyer Young was reminded on 10/29/21, 11/12/21, 12/9/21, 3/9/22				
SWPPP Sign	SWPPP Notification Sign	E-2	9/9/2020	Active	No
Current Condition:	Good Condition - The E&A inspector installed the SWPPP sign by CE-1 during the inspection on 9/09/20. E&A inspector reinstalled the sign during the 6/7/21 inspection.				
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:				Reviewed By:	