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E & A CONSULTING GROUP, INC.

Engineering Answers

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

E&A - P2019.032.000

Inspector: Bryce Wright		Stage
Project Name:	<b>Kempton Creek CSW-202004665</b>	1
For Week Ending:	<b>7/1/2023</b>	
Project Location:	<b>North 156th Street and Bennington Road - Bennington, NE (Douglas County)</b>	<b>68007</b>

Grading:	100%			
Sanitary Sewer:	100%			
Storm Sewer:	100%			
Paving:	95%			
Seeding:	75%			
Utilities:	75%			
Overall Development:	35%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	Storm event time
					<b>Week 1</b>
Sunday	0.00"				
Monday	0.00"				
Tuesday	0.00"	6/27/2023	Sunny 78	10:15 AM	
Wednesday	0.01"				
Thursday	0.32"				
Friday	0.45"				
Saturday	0.37"				

**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). Grading for rest of paving began (04/04/22). Utility Installation began (04/25/22). Home building across the entire site began (3/8/23).

**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). Grading for rest of paving began (04/04/22). Utility Installation began (04/25/22). Home building across the entire site began (3/8/23).

**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 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.**

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?**  
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 for utility installation and home building during the most recent inspection.  
Road work project was prepping to start during the most recent inspection.

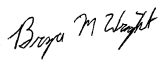
**Findings / Corrective Actions (Date):**  
**Findings / Corrective Actions (Date):**  
1.) Some maintenance is needed in the BMP section.  
2.) Erosion at the outfall of the drainage ditch along the northeast side of the site should be repaired and stabilized. Boyer Young was informed to complete by 3/28/23. Not done as of the last inspection.

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 1	Construction Entrance	D-2		Removed	
<b>Current Condition:</b>	Removed - Luxa removed the construction entrance for grading to pave the road prior to the inspection on 4/4/22.				
D1	Diversion	O-15 to M-6	11/9/2020	Active	No
<b>Current Condition:</b>	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		Removed	
<b>Current Condition:</b>	Removed - Due to paving in the area the diversion is no longer necessary as of 8/16/22.				
D3	Diversion	SW Corner		Removed	
<b>Current Condition:</b>	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
<b>Current Condition:</b>	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. Diversion was partially removed during paving of the stub road. E&A inspector will continue to monitor.				
ET 1-5	Erosion Control Terraces	E-14, E-16, E-18, H-16, H-18		Removed	
<b>Current Condition:</b>	Removed - Boyer Young removed the terraces prior to the inspection on 10/12/21. 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		Removed	
<b>Current Condition:</b>	Removed - Boyer Young removed the terraces prior to the inspection on 10/12/21. 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		Removed	
<b>Current Condition:</b>	Removed - Boyer Young removed the terraces prior to the inspection on 10/12/21. Terraces are no longer necessary since paving is almost complete as of 12/6/21.				
FT 1	Fuel Tank	F-19	8/18/2020	Pending	No

<b>Current Condition:</b>	Pending - 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 1026/20 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. Luxa installed a secondary containment berm around the fuel tank prior to the inspection on 3/28/22. Luxa removed the fuel tank from the site prior to the inspection on 5/2/22. Boyer Young brought a fuel tank on site prior to the inspection on 5/2/22. Cedar Construction removed the fuel tank from the site prior to the inspection on 5/31/22.				
IF 1 - 2	Inlet Filter	West of SB A	8/16/2022	Active	No
<b>Current Condition:</b>	Good Condition - Boyer Young installed inlet protection on all inlets prior to the inspection on 8/16/22. Boyer Young cleaned out the inlet filters prior to the inspection on 2/14/23.				
IF 3 - 9	Inlet Filter	Kempton Creek Drive	8/16/2022	Active	No
<b>Current Condition:</b>	Good Condition - Boyer Young installed inlet protection on all inlets prior to the inspection on 8/16/22. Boyer Young cleaned out all inlet filters prior to the inspection on 2/14/23.				
IF 10 - 16	Inlet Filter	159th Ave	8/16/2022	Active	No
<b>Current Condition:</b>	Good Condition - Boyer Young installed inlet protection on all inlets prior to the inspection on 8/16/22.				
IF 17 - 18	Inlet Filter	Abigail Street	8/16/2022	Active	No
<b>Current Condition:</b>	Good Condition - Boyer Young installed inlet protection on all inlets prior to the inspection on 8/16/22.				
IF 19, 20, 33, 34	Inlet Filter	Daniel Street	8/16/2022	Active	No
<b>Current Condition:</b>	Good Condition - Boyer Young installed inlet protection on all inlets prior to the inspection on 8/16/22.				
IF 21 - 23	Inlet Filter	160th Street	8/16/2022	Active	No
<b>Current Condition:</b>	Good Condition - Boyer Young installed inlet protection on all inlets prior to the inspection on 8/16/22.				
IF 24 - 28	Inlet Filter	161st Street	8/16/2022	Active	No
<b>Current Condition:</b>	Good Condition - Boyer Young installed inlet protection on all inlets prior to the inspection on 8/16/22.				
IF 29 - 32, 39 - 40	Inlet Filter	161st Ave	8/16/2022	Active	No
<b>Current Condition:</b>	Good Condition - Boyer Young installed inlet protection on all inlets prior to the inspection on 8/16/22. Boyer Young cleaned out and repositioned inlet filters 29, 30, and 39 prior to the inspection on 2/14/23.				
IF 35 - 38	Inlet Filter	Isabella Street	8/16/2022	Active	No
<b>Current Condition:</b>	Good Condition - Boyer Young installed inlet protection on all inlets prior to the inspection on 8/16/22.				
Lot 4	Individual lot	Lot 4	11/29/2022	Pending	Yes
<b>Current Condition:</b>	<p>Pending - Colony Custom Homes began construction on the lot prior to the inspection on 11/29/22. Dirt was removed from the ROW prior to 12/26/2022</p> <p>1.) Silt fence should be installed along the back of the lot. 2.) Street in front of the lot should be cleaned daily or as needed.</p> <p>1.) Colony Custom Homes was informed to complete by 12/6/22. Not done as of the last inspection. Colony Custom Homes was reminded on 2/7/23, 3/22/23, 5/4/23, 6/21/23 2.) Colony Custom Homes was informed to complete by 2/8/23. Not done as of the last inspection. Colony Custom Homes was reminded on 3/22/23, 5/4/23, 6/21/23</p>				
Lot 23	Individual Lot	Lot 23	4/11/2023	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - Hubbell Homes installed silt fence on the east and west side of the lot prior to the inspection on 4/11/23. Hubbell Homes began excavation on the lot prior to the inspection on 6/6/23. Dirt piles were observed along the ROW. Hubbell Homes removed the dirt piles from the ROW prior to the inspection on 6/13/23.</p> <p>Silt fence should be repaired along the front and side of the lot.</p> <p>Hubbell Homes was informed to complete by 4/25/23. Not done as of the last inspection. Hubbell Homes was reminded on 5/17/23, 6/21/23</p>				
Lot 24	Individual Lot	Lot 24	6/27/2023	Active	No
<b>Current Condition:</b>	Active - Hubbell Homes began excavation on the lot prior to the inspection on 6/27/23. Dirt piles were observed along the ROW. E&A inspector will continue to monitor for dirt pile removal and BMP installation.				
Lot 28	Individual lot	Lot 28	1/10/2023	Pending	Yes

<b>Current Condition:</b>	<p>Pending - Newport Homes began excavation on the lot prior to the inspection on 1/10/23. Newport Homes removed the concrete waste from the front of the lot prior to the inspection on 2/23/23.</p> <p>1.) Silt fence or straw wattles should be installed along the front of the lot. 2.) Street in front of the lot should be cleaned daily or as needed.</p> <p>1.) Newport Homes was informed to complete by 1/17/23. Not done as of the last inspection. Newport Homes was reminded on 2/23/23, 3/22/23, 5/4/23, 6/21/23 2.) Newport Homes was informed to complete by 1/11/23. Not done as of the last inspection. Newport Homes was reminded on 2/23/23, 3/22/23, 5/4/23, 6/21/23</p>				
Lot 30	Individual lot	Lot 30	5/16/2023	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - Hubbell Homes began excavation and installed silt fence on the front and north side of the lot prior to the inspection on 5/16/23. Hubbell Homes removed the dirt piles from the ROW prior to the inspection on 6/13/23.</p> <p>Silt fence should be repaired and cleaned out on the front and side of the lot.</p> <p>Hubbell Homes was informed to complete by 5/23/23. Not done as of the last inspection. Hubbell Homes was reminded on 6/21/23</p>				
Lot 44	Individual Lot	Lot 44	4/11/2023	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - Hubbell Homes installed silt fence on the north side of the lot prior to the inspection on 4/11/23. Hubbell Homes was actively excavating the lot during the inspection on 5/9/23.</p> <p>Silt fence should be repaired along the side of the lot.</p> <p>Hubbell Homes was informed to complete by 5/23/23. Not done as of the last inspection. Hubbell Homes was reminded on 6/21/23</p>				
Lot 142	Individual lot	Lot 142	10/4/2022	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - Boyer Young installed silt fence along the front and side of the lot prior to the inspection on 10/4/22. Hubbell Homes began excavation of the lot prior to the inspection on 11/15/22. Hubbell Homes removed the dirt piles from the ROW prior to the inspection on 12/6/22. Hubbell Homes installed straw wattles along the front of the lot prior to the inspection on 1/17/23.</p> <p>Straw wattles should be secured along the front of the lot and silt fence repaired along the side of the lot.</p> <p>Hubbell Homes was informed to complete by 11/22/22. Not done as of the last inspection. Hubbell Homes was reminded on 2/8/23, 3/22/23, 4/19/23, 5/17/23, 6/21/23</p>				
Lot 143	Individual lot	Lot 143	10/4/2022	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - Boyer Young installed silt fence along the front and side of the lot prior to the inspection on 10/4/22. Hubbell Homes began excavation of the lot prior to the inspection on 11/15/22. Hubbell Homes removed the dirt piles from the ROW prior to the inspection on 12/6/22. Hubbell Homes installed straw wattles along the front of the lot prior to the inspection on 1/17/23.</p> <p>Straw wattles should be secured along the front of the lot.</p> <p>Hubbell Homes was informed to complete by 11/22/22. Not done as of the last inspection. Hubbell Homes was reminded on 2/8/23, 3/22/23, 4/19/23, 5/17/23, 6/21/23</p>				
Lot 144	Individual lot	Lot 144	10/4/2022	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - Boyer Young installed silt fence along the front and side of the lot prior to the inspection on 10/4/22. Hubbell Homes began excavation of the lot prior to the inspection on 11/15/22. Hubbell Homes removed the dirt piles from the ROW prior to the inspection on 12/6/22. Hubbell Homes installed straw wattles along the front of the lot prior to the inspection on 1/17/23.</p> <p>Straw wattles should be secured along the front of the lot.</p> <p>Hubbell Homes was informed to complete by 11/22/22. Not done as of the last inspection. Hubbell Homes was reminded on 2/8/23, 3/22/23, 4/19/23, 5/17/23, 6/21/23</p>				
Lot 171 - 174	Individual lot	Lot 171 - 174	10/4/2022	Active	Yes

<b>Current Condition:</b>	Fair Condition - Boyer Young installed silt fence around all four lots prior to the inspection on 10/4/22. Hubbell Homes began excavating the lots prior to the inspection on 3/28/23. Dirt piles were observed along the ROW; however silt fence is in place along the street and the lots were being actively excavated. E&A inspector will continue to monitor for recommendations.  Silt fence should be repaired along the east and west side of the lots.  Hubbell Homes was informed to complete by 3/28/23. Not done as of the last inspection. Hubbell Homes was reminded on 4/19/23, 5/17/23, 6/21/23				
Lot 175 - 178	Individual lot	Lot 175 - 178	10/4/2022	Active	Yes
<b>Current Condition:</b>	Fair Condition - Boyer Young installed silt fence around all four lots prior to the inspection on 10/4/22. Hubbell Homes began excavating the lots prior to the inspection on 3/28/23. Dirt piles were observed along the ROW; however silt fence is in place along the street and the lots were being actively excavated. E&A inspector will continue to monitor for recommendations.  Silt fence should be repaired along the east and west side of the lots.  Hubbell Homes was informed to complete by 3/28/23. Not done as of the last inspection. Hubbell Homes was reminded on 4/19/23, 5/17/23, 6/21/23				
Lot 179-182	Individual lot	Lot 179-182	4/11/2023	Active	Yes
<b>Current Condition:</b>	Fair Condition - Hubbell Homes installed silt fence around all four lots prior to the inspection on 4/11/23. Hubbell Homes installed and secured a portable toilet on the lots prior to the inspection on 4/11/23. Hubbell Homes began excavation on the lots prior to the inspection on 5/30/23. Dirt piles were observed in the ROW during the inspection on 5/30/23. Due to active excavation, E&A inspector will monitor for removal.  1.) Portable toilet should be secured. 2.) Silt fence should be repaired on the northwest corner of the lots.  1.) Hubbell Homes was informed to complete by 4/25/23. Not done as of the last inspection. Hubbell Homes was reminded on 5/17/23, 6/21/23 2.) Hubbell Homes was informed to complete by 4/25/23. Not done as of the last inspection. Hubbell Homes was reminded on 5/17/23, 6/21/23				
Lot 183-186	Individual lot	Lot 183-186	6/13/2023	Active	No
<b>Current Condition:</b>	Good Condition - Hubbell Homes installed silt fence around all four lots prior to the inspection on 6/13/23.				
Lot 187-190	Individual lot	Lot 187-190	4/11/2023	Active	No
<b>Current Condition:</b>	Good Condition - Hubbell Homes installed silt fence around all four lots prior to the inspection on 6/13/23.				
Lot 191-194	Individual lot	Lot 191-194	4/11/2023	Active	No
<b>Current Condition:</b>	Good Condition - Hubbell Homes installed silt fence around all four lots prior to the inspection on 6/13/23.				
MS 1	Material Storage Area	E-5	10/15/2020	Pending	No
<b>Current Condition:</b>	Pending - There is currently no need for a designated material storage area on-site due to no materials needing stored, the E&A inspector will continue to monitor.				
PB 1	Portable Bathroom	On Site	5/2/2023	Active	No
<b>Current Condition:</b>	Good Condition - Metropolitan Utility district installed and secured a portable toilet on site prior to the inspection on 5/2/23.				
PB 2	Portable Bathroom	South of SB A		Removed	
<b>Current Condition:</b>	Removed - Roth removed the portable toilet prior to the inspection on 3/28/22.				
SB A	Sediment Basin	F-3	9/15/2020	Active	No
<b>Current Condition:</b>	Good Condition - 5% 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. Hausman was in the process of finishing the cleanout during the inspection on 4/18/22. Hausman finished cleaning out the basin prior to the inspection on 5/2/22. E&A inspector painted the cleanout mark during the inspection on 5/19/22.				
SF 1	Silt fence	M-5 to T-13		Removed	
<b>Current Condition:</b>	Removed - Boyer Young removed the silt fence prior to the inspection on 10/18/22.				
SF 2	Silt fence	D-5 to D-11		Removed	

<b>Current Condition:</b>	Removed - Boyer Young removed the silt fence prior to the inspection on 8/23/22. Due to Boyer Young owning the neighboring parcel of land and there being a vegetative buffer the silt fence is no longer necessary.				
SF 3	Silt fence	D-21 to D-25		Removed	
<b>Current Condition:</b>	Removed - Boyer Young removed the silt fence prior to the inspection on 10/18/22.				
SF 4	Silt fence	R-16 to P-27		Removed	
<b>Current Condition:</b>	Removed - Boyer Young removed the silt fence prior to the inspection on 10/18/22.				
SF 5	Silt fence	E-2 to E-5		Removed	
<b>Current Condition:</b>	Removed - Boyer Young removed the silt fence prior to the inspection on 8/23/22. Due to Boyer Young owning the neighboring parcel of land and there being a vegetative buffer the silt fence is no longer necessary.				
SF 6	Silt fence	G-13 to I-13	2/28/2022	Active	Yes
<b>Current Condition:</b>	Fair Condition - Boyer Young installed the silt fence prior to the 2/28/22 inspection. As of 9/20/22 no additional interior street silt fence is necessary.  Silt fence should be repaired where damaged.  Boyer Young was informed to complete by 3/28/23. Not done as of the last inspection. Boyer Young was reminded on 6/21/23				
WO 1	Concrete Washout	On Site	5/23/2023	Active	Yes
<b>Current Condition:</b>	Fair Condition - Hubbell Homes installed a concrete washout on site prior to the inspection on 5/23/23.  Concrete waste around the site should be cleaned up.  Hubbell Homes was informed to complete by 5/23/23. Not done as of the last inspection. Hubbell Homes was reminded on 6/21/23				
WS 1	Waste Storage Area	E-5	11/15/2020	Pending	No
<b>Current Condition:</b>	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		Removed	
<b>Current Condition:</b>	Removed - due to the area being vegetated straw wattles are no longer needed as of 6/20/23.				
WT 2	Straw Wattles	AA-11		Removed	
<b>Current Condition:</b>	Removed - due to the area being vegetated straw wattles are no longer needed as of 6/20/23.				
WT 3	Straw Wattles	Z-13		Removed	
<b>Current Condition:</b>	Removed - due to the area being vegetated straw wattles are no longer needed as of 6/20/23.				
STR	Streets	Bennington Road, N. 156th Street	8/18/2020	Active	Yes
<b>Current Condition:</b>	Fair Condition - Minor track out was observed during the inspection on 7/5/22. Boyer Young partially cleaned the streets prior to the inspection on 8/16/22. Boyer Young cleaned all interior streets prior to the inspection on 3/7/23.  Streets in front of active lots should be cleaned daily or as needed.  Hubbell Homes was informed to complete by 11/16/22. Not done as of the last inspection. Hubbell Homes was reminded on 2/8/23, 3/22/23, 4/19/23, 5/17/23, 6/21/23				
SWPPP Sign	SWPPP Notification Sign	E-2	9/9/2020	Active	No
<b>Current Condition:</b>	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. E&A inspector reinstalled the sign during the 7/26/22 inspection.				
<b>Certification Statement:</b>	"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."				
<b>Inspector Signature:</b>				<b>Reviewed By:</b> 