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E & A CONSULTING GROUP, INC.

Engineering Answers

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

E&A- P2015.717.000

Inspector: Josh Ellington		Stage
Project Name:	McGregor Brae Subdivision @ 156th & Highway 36 (Bennington Storage) CSW-202206443	3
For Week Ending:	7/8/2023	
Project Location:	12616 N. 156th Street, Bennington, NE (Douglas County)	68007

Grading:	100%			
Sanitary Sewer:	100%			
Storm Sewer:	100%			
Paving:	100%			
Seeding:	90%			
Utilities:	100%			
Overall Development:	95%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					Week 1
Sunday:	0.53"				1:00 AM - 4:00 AM
Monday	0.00"	6/12/2023	Sunny 62	10:25 AM	
Tuesday	0.00"				
Wednesday	0.00"				
Thursday	0.00"				
Friday	0.00"				
Saturday	0.00"				
					Week 2
Sunday:	0.00"				
Monday	0.00"				
Tuesday	0.00"				
Wednesday	0.00"				
Thursday	0.00"				
Friday	0.00"				
Saturday	0.01" (09:30 - 10:00)				
					Week 3
Sunday:	0.00"				
Monday	0.00"				
Tuesday	0.00"				
Wednesday	0.01"				5:55 AM - 6:15 AM
Thursday	0.32"				7:35 AM - 8:55 AM
Friday	0.45"				4:15 AM - 8:55 AM
Saturday	0.37"				10:55 AM - 5:55 AM
					Week 4
Sunday:	0.00"				
Monday	0.00"	7/3/2023	Mostly Sunny 90 / 67	9:35 AM	
Tuesday	0.17"				
Wednesday	0.33"	7/5/2023	Cloudy 75 / 63	2:40 PM	12:55 AM - 6:55 AM
Thursday	0.00"				
Friday	0.74"				6:35 AM - 5:55 PM
Saturday	0.00"				
					Week 5
Sunday:	N/A				
Monday:	N/A				
Tuesday:	N/A				
Wednesday:	N/A				
Thursday:	N/A				
Friday:	N/A				
Saturday:	N/A				

Complaints:	None			
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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?**

Entire site scheduled for grading in the next 2 weeks (4/28/2017). Site stripped (5/17/2017). Grading was underway (6/05/2017). Grading was completed prior to the inspection on 6/30/2017. Minor grading to be completed at a later time. Grading was active on the southern portion of the site (7/2/2018). The southeast portion of the site grading was completed (7/18/2018). The post construction basins were cleaned out (9/18/2018). The area west of the storage units was graded for new construction (10/9/2018). Major grading complete, minor grading possible at a later date (5/8/2019). ROW along road disturbed by water installation (12/31/2019). Western portion of site disturbed by water installation (5/25/2020). Utility installation along Spruce Street (11/11/2020).

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

Entire site scheduled for grading in the next 2 weeks (4/28/2017). Site stripped (5/17/2017). Grading was underway (6/05/2017). Grading was completed prior to the inspection on 6/30/2017. Minor grading to be completed at a later time. Grading was active on the southern portion of the site (7/2/2018). The southeast portion of the site grading was completed (7/18/2018). The post construction basins were cleaned out (9/18/2018). The area west of the storage units was graded for new construction (10/9/2018). Major grading complete, minor grading possible at a later date (5/8/2019). ROW along road disturbed by water installation (12/31/2019). Western portion of site disturbed by water installation (5/25/2020). Utility installation along Spruce Street (11/11/2020).

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

Existing vegetation (4/28/2017). Prairie Construction seeded the site (8/16/2017). Prairie Construction installed erosion control matting on the northeast corner of the site (8/16/2017). Prairie Construction installed erosion control matting on the south, east, and northern borders of the site BMPs EM1-EM5 (8/21/2017). The area north of Building A was seeded and matted (12/13/2017). The area North of Building C was seeded and matted (1/10/2018). The area along the entrance to the old storage units was seeded and matted (2/20/2018). The inside slopes of the sediment basin were seeded and matted (4/18/2019). The slopes to the east and south of the sediment basin were seeded and matted (8/10/2018). The area around CS 1 was seeded (8/15/2018). The area around both post construction basins and all storage units was seeded and matted (9/18/2018). Seeding and matting along the ROW on storage unit lot and ROW along HWY 30 (4/15/2020). Seeding and matting over SB 1 outlet pipe and ROW of N. 156th Street (4/14/2022).

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 Section (SB 1).

Have disturbed areas been seeded or otherwise stabilized as required? List inactive portions of the project and if stabilization measures 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?

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 most recent inspection. The storage units are open and operating.

Findings / Corrective Actions (Date):**Findings / Corrective Actions (Date):**

1.) Some maintenance required in BMP Section.

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE1	Construction Entrance	N. 156th Street		Removed	
Current Condition:	Removed - The temporary construction entrance was removed prior to the inspection on 7/16/18.				
CE 2	Construction Entrance	N. 156th Street		Removed	
Current Condition:	Removed - Prairie Construction paved the entrance prior to the inspection on 5/14/18.				
CW 1	Concrete Washout	On Site		Removed	
Current Condition:	Removed - Development level paving appears complete as of 11/6/19. Future concrete work will be handled on a lot by lot basis.				
D 1	Diversion	North side of Site		Removed	
Current Condition:	Removed - The diversion has silted in, but due to heavy vegetation is no longer needed as of the inspection on 5/22/18.				
D 2	Diversion	South East site of Site		Removed	
Current Condition:	Removed - The diversion has silted in, but due to heavy vegetation is no longer needed as of the inspection on 5/22/18.				

D 3	Diversion	South side of site		Removed	
Current Condition:	Removed - Due to the storm sewer being installed the diversion is no longer needed as of the inspection on 5/22/18.				
D 4	Diversion	North of SB 2		Removed	
Current Condition:	Removed - Due to the storm sewer being installed the diversion is no longer needed as of the inspection on 4/18/19.				
EC 1	Erosion Control Transition Matting	Outfall of SB 1	4/14/2022	Active	No
Current Condition:	Good Condition - Geoff McGregor installed the Shoremax Transition Mat at the outfall of SB 1 prior to the inspection on 4/14/22.				
EM 1	Erosion Control Matting	SE corner of site	3/26/2018	Active	No
Current Condition:	Good Condition - Prairie Construction seeded and matted the slopes around SB 1 prior to inspection on 8/10/18.				
EM 2	Erosion Control Matting	South side of site	8/21/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed erosion control matting prior to the inspection on 8/21/17.				
EM 3	Erosion Control Matting	SW corner of site	8/21/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed erosion control matting prior to the inspection on 8/21/17.				
EM 4	Erosion Control Matting	West side of site	8/21/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed erosion control matting prior to the inspection on 8/21/17.				
EM 5	Erosion Control Matting	NW corner of site	8/16/2016	Active	No
Current Condition:	Good Condition - Prairie Construction installed erosion control matting prior to the inspection on 8/21/17.				
EM 6	Erosion Control Matting	North side of site	7/13/2017	Active	No
Current Condition:	Good Condition- Prairie Construction installed erosion control matting prior to the inspection on 11/10/18.				
EM 7	Erosion Control Matting	North side of site	7/13/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed the erosion control matting prior to the inspection on 12/13/17.				
EM 8	Erosion Control Matting	East side of site		Removed	
Current Condition:	Removed - EM 8 was improperly placed onto the report. It is not present on the SWPPP.				
IP 1	Inlet Protection	SE corner of buildings		Removed	
Current Condition:	Removed - All areas that drain to the inlet are stabilized/paved as of 4/11/19.				
IP 2	Inlet Protection	SE corner of buildings		Removed	
Current Condition:	Removed - All areas that drain to the inlet are stabilized/paved as of 4/11/19.				
IP 3	Inlet Protection	SE corner of buildings		Removed	
Current Condition:	Removed - All areas that drain to the inlet are stabilized/paved as of 4/11/19.				
IP 4	Inlet Protection	South of buildings		Removed	
Current Condition:	Removed - All areas that drain to the inlet are stabilized/paved as of 4/11/19.				
IP 5	Inlet Protection	SW corner of buildings		Removed	
Current Condition:	Removed - All areas that drain to the inlet are stabilized/paved as of 4/11/19.				
IP 6	Straw Wattle	West of CE 1		Removed	
Current Condition:	Removed - Prairie Construction removed the straw wattle prior to the inspection on 6/2/18.				
IP 7	Straw Wattle	Near CE 1	5/22/2018	Active	No
Current Condition:	Active - Prairie Construction removed the straw wattle in the inlet. The inlet is draining properly and the area is paved as of the inspection on 8/15/18. The inspector will continue to monitor.				
IP 8	Inlet Protection	SE corner of site		Removed	
Current Condition:	Removed - Geoff McGregor stabilized the area around the inlet prior to the inspection on 4/15/20.				
SF 1	Silt Fence	All sides of site		Removed	
Current Condition:	Removed - Geoff McGregor removed the silt fence prior to the inspection on 4/14/22.				
SF 2	Silt Fence	East side of site		Removed	
Current Condition:	Removed - Prairie Construction removed the remaining portion of silt fence due to the area being seeded and matted prior to inspection on 8/10/18.				
SF 3	Silt Fence	Outfall of ST 1		Removed	
Current Condition:	Removed - Geoff McGregor removed the silt fence prior to the inspection on 4/14/22. Due to stabilization in the area, reinstallation will not be recommended.				
SF 4	Silt Fence	Outfall of ST 2		Removed	
Current Condition:	Removed - Geoff McGregor removed the silt fence prior to the inspection on 4/14/22. Due to stabilization in the area, reinstallation will not be recommended.				
SF 5	Silt Fence	Outfall of ST 3		Removed	
Current Condition:	Removed - Geoff McGregor removed the silt fence prior to the inspection on 4/14/22. Due to stabilization in the area, reinstallation will not be recommended.				
SF 6	Silt Fence	Outfall of ST 4		Removed	
Current Condition:	Removed - Geoff McGregor removed the silt fence prior to the inspection on 4/14/22. Due to stabilization in the area, reinstallation will not be recommended.				
SF 7	Silt Fence	East side of site at the intersection of 156th and Spruce Streets		Removed	
Current Condition:	Removed - The straw wattle decomposed prior to the inspection on 4/14/22. Due to stabilization in the area, reinstallation will not be recommended.				
SB 1	Sediment Basin	SW corner of the site	5/5/2017	Active	Yes

Current Condition:	Fair Condition - 40% full - Prairie Construction installed the inlet prior to the inspection on 3/24/18. Geoff McGregor backfilled and seeded/matted the erosion over the outfall pipe prior to the inspection on 4/14/22. 1.) The cleanout mark should be painted on the riser. 2.) Several extra dewatering holes below the approved height need to be patched. 1.) Prairie Construction and Geoff McGregor were informed to complete by 4/18/19. Not done as of the last inspection. Geoff McGregor was reminded on 6/05/19, 7/16/19, 8/13/19, 10/2/19, 12/6/19, 3/21/20, 4/15/20, 5/14/20, 5/28/20, 7/28/20, 9/11/20, 12/09/20, 3/05/21, 6/26/21, 2/17/22, 7/6/2022, 8/30/22, 11/22/22, 6/14/23 2.) Prairie Construction and Geoff McGregor were informed to complete by 4/18/19. Not done as of the last inspection. Geoff McGregor was reminded on 6/05/19, 7/16/19, 8/13/19, 10/2/19, 12/6/19, 3/21/20, 4/15/20, 5/14/20, 5/28/20, 7/28/20, 9/11/20, 12/09/20, 3/05/21, 6/26/21, 2/17/22, 7/6/2022, 8/30/22, 11/22/22, 6/14/23				
SB 2	Sediment Basin	SE corner of the site		Removed	
Current Condition:	Removed - Due to an updated SWPPP this basin is no longer needed prior to the inspection on 6/30/17.				
ST 1	Sediment Trap	NE corner of site	6/30/2017	Active	Yes
Current Condition:	Fair Condition - 30% filled. Prairie Construction installed the silt trap prior to the inspection on 6/30/17. Tires should be removed from the silt trap. Geoff McGregor was informed to complete by 6/19/23. Not done as of the last inspection.				
ST 2	Sediment Trap	East corner of site	6/30/2017	Active	No
Current Condition:	Good Condition - 30% filled. Prairie Construction installed the silt trap prior to the inspection on 6/30/17.				
ST 3	Sediment Trap	SE corner of site	6/30/2017	Active	No
Current Condition:	Good Condition - 30% filled. Prairie Construction installed the silt trap prior to the inspection on 6/30/17.				
ST 4	Sediment Trap	SE corner of site	6/30/2017	Active	No
Current Condition:	Good Condition - 49% filled - Prairie Construction installed the silt trap prior to the inspection on 6/30/17. The silt trap was mistakenly removed from the report.				
SW 1	Straw Wattle	North of Building C		Removed	
Current Condition:	Removed - Prairie Construction removed the wattles due to seeding and matting of the area as of the inspection on 9/25/18.				
SW 2	Straw Wattle	South Side of Building C		Removed	
Current Condition:	Removed - Prairie Construction removed the wattles due to seeding and matting of the area as of the inspection on 9/18/18.				
STR	Streets	On Site	4/28/2017	Active	No
Current Condition:	Good Condition - The interior streets were cleaned by Geis Inc. prior to the inspection on 6/04/19. The intersection of 156th & Spruce Streets was free of sediment during the inspection on 4/15/20. The street was cleaned prior to the inspection on 7/12/21.				
SWPPP Sign	SWPPP Sign	N. 156th Street	6/24/2017	Active	No
Current Condition:	Good Condition - The inspector installed the SWPPP sign prior to the inspection on 9/5/17.				
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:	