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Engineering Answers

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 Environmental Services Dept. Manager

E&A- P2015.717.002

Inspector: Chase Wickard		Stage
Project Name:	Bennington Storage CSW-201701311	2
For Week Ending:	6/23/2018	
Project Location:	12616 N. 156th Street, Bennington, NE (Douglas County)	68007

Grading:	100%			
Sanitary Sewer:	100%			
Storm Sewer:	90%			
Paving:	85%			
Seeding:	90%			
Utilities:	80%			
Overall Development:	70%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	
				Week 1
Sunday:	0.06"			
Monday	1.41"			
Tuesday	0.00"	06/12/18	81/64 Partly Cloudy	
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
				Week 2
Sunday:	0.00"			
Monday	1.38"	6/19/2018	89/70 Tstorm	
Tuesday	2.39"	06/20/18	72/61 Rain	
Wednesday	1.22"			
Thursday	0.08"			
Friday	0.00"			
Saturday	0.00"			
				Week 3
Sunday:	NA			
Monday	NA			
Tuesday	NA			
Wednesday	NA			
Thursday	NA			
Friday	NA			
Saturday	NA			

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?

Entire Site scheduled for grading in the next 2 weeks (4/28/17). Site stripped (5/17/17). Grading was underway (6/05/17). Grading was completed prior to the inspection on 6/30/17. Minor grading to be completed at a later time.

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 (4/28/17). Site stripped (5/17/17). Grading was underway (6/05/17). Grading was completed prior to the inspection on 6/30/17. Minor grading to be completed at a later time.

What temporary or permanent stabilization measures listed in this section are being implemented?
Existing Vegetation (4/28/17). Prairie Construction seeded the site (8/16/17). Prairie Construction installed erosion control matting on the northeast corner of the site (8/16/17). Prairie Construction installed erosion control matting on the south, east, and northern borders of the site BMPs EM1-EM5 (8/21/17). The area north of Building A was seeded and matted (12/13/17). The area North of building C was seeded and matted (1/10/18). The area along the entrance to the old storage units was seeded and matted (2/20/18). The inside slopes of the sediment basin were seeded and matted (4/18/19).

SUMMARY QUESTIONS:
Are approved entrances and adjacent streets being maintained adequately?
No, See BMP Section

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, See BMP Section

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

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

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

Findings / Corrective Actions (Date):
Findings / Corrective Actions (Date):
1.) Some maintenance required in BMP Section.
2.) The portable toilets located around the site need to be secured. Prairie Construction was informed to complete by 10/31/17. Not done as of the last inspection. Prairie Construction was reminded on 11/15/17, 12/27/17, 1/17/18, 3/7/18, 3/20/18, 5/4/18, 5/23/18.
3.) All exposed soils on the south side need to be fine graded, seeded, and matted. Prairie Construction was informed to complete by 6/5/18. **Not done as of the last inspection. Prairie Construction was reminded on 6/22/18.**

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE1	Construction Entrance	N. 156th Street	5/13/2017	Active	Yes
Current Condition:	Fair Condition 10% effective - Prairie Construction installed an entrance per the SWPPP prior to the inspection on 5/14/18. 1. Rock needs added to the existing entrance/ or the entrance needs to be removed. 2. 156th St adjacent to the construction entrance is undermining and needs back filled. 1. Prairie Construction was informed to complete by 5/21/18. Not done as of the last inspection. Prairie Construction was reminded on 5/22/18, 6/22/18. 2. Prairie Construction was informed to complete by 6/27/18.				
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	8/9/2017	Pending	No
Current Condition:	Pending - Prairie Construction removed the washout prior to the inspection on 12/13/17. The paving in the area has stopped, the inspector will monitor the need for re-installment.				
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 2	3/26/2018	Pending	Yes
Current Condition:	Pending - The matting needs to be installed. Prairie Construction was informed to complete by 3/26/18. Not done as of the last inspection. Prairie Construction was reminded on 5/4/18, 5/23/18, 6/22/18.				

EM 1	Erosion Control Matting	SE corner of site	3/26/2018	Pending	Yes
Current Condition:	<p>Pending -</p> <p>1. The matting needs to be installed. 2. The area needs to be backfilled and re-graded due to significant erosion.</p> <p>1. Prairie Construction was informed to complete by 3/26/18. Not done as of the last inspection. Prairie Construction was reminded on 5/4/18, 5/23/18, 6/22/18. 2. Prairie Construction was informed to complete by 3/26/18. Not done as of the last inspection. Prairie Construction was reminded on 5/4/18, 5/23/18, 6/22/18.</p>				
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	6/30/2017	Active	No
Current Condition:	Active - Prairie Construction installed the inlet prior to the inspection on 3/17/18. The inlet is currently above grade and no protection is needed.				
IP 2	Inlet Protection	SE corner of buildings	8/5/2017	Active	No
Current Condition:	Active - Prairie Construction installed the inlet prior to the inspection on 3/17/18. The inlet is currently above grade and no protection is needed.				
IP 3	Inlet Protection	SE corner of buildings	8/5/2017	Active	No
Current Condition:	Active - Prairie Construction installed the inlet prior to the inspection on 3/17/18. The inlet is currently above grade and no protection is needed.				
IP 4	Inlet Protection	South of buildings	8/5/2017	Active	No
Current Condition:	Active - Prairie Construction installed the inlet prior to the inspection on 3/17/18. The inlet is currently above grade and no protection is needed.				
IP 5	Inlet Protection	SW corner of buildings	8/5/2017	Pending	No
Current Condition:	Pending - To be installed once inlet is constructed.				
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	Yes
Current Condition:	<p>Fair Condition - Prairie Construction re-installed the wattles prior to the inspection on 5/23/18.</p> <p>The wattles need removed to let water drain into the inlets.</p> <p>Prairie Construction was informed to complete by 5/29/19. Not done as of the last inspection. Prairie Construction was informed 6/22/18.</p>				
IP 8	Inlet Protection	SE corner of site	8/21/2017	Active	Yes
Current Condition:	<p>Fair Condition -</p> <p>The inlet needs to be cleaned out and repaired.</p> <p>Prairie Construction was informed to complete by 3/26/18. Not done as of the last inspection. Prairie Construction was reminded on 5/4/18, 5/23/18, 6/22/18.</p>				
SF 1	Silt Fence	All sides of site	4/28/2017	Active	Yes

Current Condition:	Fair Condition - 1. The silt fence on the south side of the site needs cleaned out adjacent to the sediment basin and repaired. 2. A section of the silt fence on the western perimeter needs cleaned out and repaired/ or can be removed . 3. The silt fence adjacent to the outfall is undermined and needs backfilled. 1. Prairie Construction was informed to complete by 10/14/17. Not done as of the last inspection. Prairie Construction was reminded on 11/15/17, 1/10/18, 3/7/18, 3/20/18, 5/4/18, 5/23/18, 6/22/18 . 2. Prairie Construction was informed to complete by 3/13/18. Not done as of the last inspection. Prairie Construction was reminded on 3/20/18, 5/4/18, 5/23/18, 6/22/18 . 3. Prairie Construction was informed to complete by 3/31/18. Not done as of the last inspection. Prairie Construction was reminded on 5/4/18, 5/23/18, 6/22/18 .				
SF 2	Silt Fence	East side of site	4/28/2017	Active	No
Current Condition:	Good Condition - Prairie Construction removed a portion of the silt fence prior to the inspection on 5/22/18. Rip Rap is being placed in the ditch where the silt fence was previously installed. The inspector will monitor for effectiveness. Prairie Construction installed a silt fence check around the rip rap prior to the inspection on 6/2/18.				
SF 3	Silt Fence	NE corner of site	7/13/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed the silt fence prior to the inspection on 7/13/17.				
SF 4	Silt Fence	East corner of site	7/13/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed the silt fence prior to the inspection on 7/13/17. A brush pile is present on the side of the silt fence. The debris is not impacting the function of the silt fence currently as the area has vegetated.				
SF 5	Silt Fence	SE corner of site	7/13/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed the silt fence prior to the inspection on 7/13/17.				
SF 6	Silt Fence	SE corner of site	7/13/2017	Active	No
Current Condition:	Good Condition - Prairie Construction installed the silt fence prior to the inspection on 7/13/17.				
SB 1	Sediment Basin	SW corner of the site	5/5/2017	Active	Yes
Current Condition:	Fair Condition - 2% full- Prairie Construction installed the inlet prior to the inspection on 3/24/18. 1. The cleanout mark needs painted on the riser. 2. Scour Stop matting/ rip rap needs added to the outfall. 1. Prairie Construction was informed to complete by 3/26/18. Not done as of the last inspection. Prairie Construction was reminded on 5/4/18, 5/23/18, 6/22/18 . 2. Prairie Construction was informed to complete by 3/26/18. Not done as of the last inspection. Prairie Construction was reminded on 5/4/18, 5/23/18, 6/22/18 .				
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	No
Current Condition:	Good Condition - 20% filled. Prairie Construction installed the silt trap prior to the inspection on 6/30/17.				
ST 2	Sediment Trap	East corner of site	6/30/2017	Active	No
Current Condition:	Good Condition - 20% 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 - 20% 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 - 20% filled. Prairie Construction installed the silt trap prior to the inspection on 6/30/17.				
SW 1	Straw Wattle	North of Building C	12/13/2017	Active	Yes
Current Condition:	Fair Condition - The wattles are undermined and need to be repaired. Prairie Construction was informed to complete by 4/25/18. Not done as of the last inspection. Prairie Construction was reminded on 5/4/18, 5/23/18, 6/22/18 .				
SW 2	Straw Wattle	South Side of Building C	5/22/2018	Active	Yes
Current Condition:	Fair Condition - Prairie Construction installed straw wattles adjacent to the storage building prior to the inspection on 5/22/18. The wattles need repaired. Prairie Construction was informed to complete by 5/29/18. Not done as of the last inspection. Prairie Construction was reminded on 6/22/18 .				
STR	Streets	On Site	4/28/2017	Active	No
Current Condition:	Good Condition - No track out or silt runoff was present during the inspection on 6/20/18.				
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.				

Inspector Signature: *Chase Allard*

Reviewed By: *R. J. [unclear]*