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

**Engineering Answers** 

Environmental Services Dept.	Manager	=0.4 B004=	-1-000	Engineering	Answers .			
		E&A- P2015	5.717.000		Stage			
Inspector: Joe Manning	McGre	McGregor Brae Subdivision @ 156th & Highway 36 (Bennington Storage)						
Project Name:		CSW	<i>I-</i> 201701311					
For Week Ending:								
Project Location:	1		<mark>1/12/2022</mark> Bennington, NE (Douglas	County)	68007			
Grading:	10	0%						
Sanitary Sewer:	10	0%						
Storm Sewer:	10	0%						
Paving:		0%						
Seeding:		0%						
Utilities:		0%						
Overall Development:	9	5%						
RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time				
	0.000				Week			
Sunday:	0.00"							
Monday	0.00"				+			
Tuesday	0.00"							
Wednesday	0.10"				+			
Thursday Friday	0.05" 0.00"				+			
Saturday	0.00"							
Juliulay	0.00				Week			
Sunday:	0.00"				- Week 2			
Monday	0.00"							
Tuesday	0.00"							
Wednesday	0.00"							
Thursday	0.00"							
Friday	0.00"							
Saturday	0.00"				Week			
Sunday:	0.00"				vveek			
Monday	0.14"							
Tuesday	0.00"							
Wednesday	0.00"	10/26/2022	Sunny 58/32	9:45 AM				
Thursday	0.00"		•					
Friday	0.00"							
Saturday	0.00"				Week			
Sunday:	0.00"				vveek			
Monday	0.00"							
Tuesday	0.00"							
Wednesday	0.00"				1			
Thursday Friday	0.00" <b>0.42"</b>				+			
Saturday	0.00"							
·					Week			
Sunday:	0.00"							
Monday:	0.00"							
Tuesday:	<b>0.09"</b> 0.00"				1			
Wednesday: Thursday:	0.02"	+			+			
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?

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?

## 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?

# Create Corrective Action?

N/A

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

# Create Corrective Action?

N/A

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	Туре	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 Cons	struction paved the entra	ance 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 diversi	on has silted in, but due	to heavy vegetation is no lo	onger needed as of the in	nspection on 5/22/18.
D 3	Diversion	South side of site		Removed	
Current Condition:			lled the diversion is no longe		ection on 5/22/18.
D 4	Diversion	North of SB 2		Removed	
Current Condition:	Removed - Due to the Erosion Control	storm sewer being instal	lled the diversion is no longe	er needed as of the insp T	ection on 4/18/19.
EC 1	Transition Matting	Outfall of SB 1	4/14/2022	Active	No
Current Condition:			Shoremax Transition Mat a		
	4/14/22.	· ·		•	·
	Erosion Control				
EM 1	Matting	SE corner of site	3/26/2018	Active	No
Current Condition:	Erosion Control	e Construction seeded a	and matted the slopes arour	na SB 1 prior to inspection	on on 8/10/18.
EM 2	Matting	South side of site	8/21/2017	Active	No
Current Condition:		e Construction installed	erosion control matting prio	r to the inspection on 8/2	21/17.
	Erosion Control		0/04/0047		.,
EM 3	Matting Cood Condition Projet	SW corner of site	8/21/2017 erosion control matting prio	Active	No No
Current Condition:	Erosion Control	Construction installed	erosion control matting prio	to the inspection on $\delta/2$	21/17.
EM 4	Matting	West side of site	8/21/2017	Active	No
Current Condition:	Good Condition - Prairi	e Construction installed	erosion control matting prio	r to the inspection on 8/2	21/17.
EM 5	Erosion Control	NIM corpor of sit-	0/16/0016	A ative	No
EM 5 Current Condition:	Matting Good Condition - Prairi	NW corner of site	8/16/2016 erosion control matting prio	Active	No No
Sairent Sonation.	Erosion Control	S Jonatiaction matanea	The second of the story prior	. to the mapeodon on 6/2	- 1/ 1 / -
EM 6	Matting	North side of site	7/13/2017	Active	No
Current Condition:		Construction installed	erosion control matting prior	to the inspection on 11/	10/18.
FA4.7	Erosion Control	North aidf-it	7/42/0047	A ation	NI-
EM 7 Current Condition:	Matting Good Condition Prairi	North side of site	7/13/2017 the erosion control matting	Active	No 12/13/17
Current Condition.	Erosion Control	Construction installed	life erosion control matting	prior to the inspection of	1 12/13/17.
EM 8	Matting	East side of site		Removed	
Current Condition:	Removed - EM 8 was i	mproperly placed onto the	ne report. It is not present or	n the SWPPP.	
IP 1	Inlet Protection	SE corner of buildings		Removed	
Current Condition:			L stabilized/paved as of 4/11/1		
- Carront Condition.	7.11.01.000 1.1		lasingsa/parsa as si i/ i/ i/		
IP 2	Inlet Protection	SE corner of buildings		Removed	
Current Condition:	Removed - All areas th	at drain to the inlet are s	stabilized/paved as of 4/11/1	9. I	
IP 3	Inlet Protection	SE corner of buildings		Removed	
Current Condition:			tabilized/paved as of 4/11/1		
IP 4	Inlet Protection	South of buildings		Removed	
Current Condition:	Removed - All areas th	at drain to the inlet are s	stabilized/paved as of 4/11/1	9. I	
IP 5	Inlet Protection	SW corner of buildings		Removed	
Current Condition:			tabilized/paved as of 4/11/1		
IP 6	Straw Wattle	West of CE 1		Removed	
Current Condition:			traw wattle prior to the inspe	ection on 6/2/18. Active	No
IP 7 Current Condition:	Straw Wattle	Near CE 1	5/22/2018  wattle in the inlet. The inlet		No the area is naved as
Carron Condition.		15/18. The inspector will		Grammy property and	and is paved as
IP 8	Inlet Protection	SE corner of site		Removed	
Current Condition:			around the inlet prior to the		
SF 1	Silt Fence	All sides of site		Removed	
Current Condition: SF 2	Removed - Geoff McG Silt Fence	regor removed the silt fe East side of site	ence prior to the inspection of	on 4/14/22. Removed	
Current Condition:			emaining portion of silt fence		eeded and matted
	prior to inspection on 8	/10/18.			
SF 3	Silt Fence	Outfall of ST 1		Removed	- 0 - 1 0
Current Condition:	Removed - Geoff McG	•	ence prior to the inspection of	on 4/14/22. Due to stabil	zation in the area,
SF 4	Silt Fence	Outfall of ST 2		Removed	
Current Condition:	Removed - Geoff McG	regor removed the silt fe	ence prior to the inspection of		zation in the area,
05.5	reinstallation will not be		T	D	
SF 5 Current Condition:	Silt Fence Removed - Geoff McG	Outfall of ST 3	nce prior to the inspection of	Removed	zation in the area
Current Condition.	reinstallation will not be	•	and prior to the mapeouon t	AT THE LO SIGNII	Zadon in the alea,
SF 6	Silt Fence	Outfall of ST 4		Removed	
Current Condition:			ence prior to the inspection of	on 4/14/22. Due to stabil	zation in the area,
	reinstallation will not be	recommended.	I	<u> </u>	
		East side of site at the			
		intersection of 156th			
SF 7	Silt Fence	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:		ull - Prairie Construction insta				
	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, 7/28/9/11/20, 12/09/20, 3/05/21, 6/26/21, 2/17/22, 7/6/2022, 8/30/22 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/					
SB 2	9/11/20, 12/09/20, 3/0 Sediment Basin	5/21, 6/26/21, 2/17/22, 7/6/20 SE corner of the site	J22, 8/30/22	Removed		
Current Condition:		updated SWPPP this basin i	s no longer needed prio		)/17	
ST 1	Sediment Trap	NE corner of site	6/30/2017	Active	No	
Current Condition:		filled. Prairie Construction i				
ST 2	Sediment Trap	East corner of site	6/30/2017	Active	No	
Current Condition:		filled. Prairie Construction i				
ST 3	Sediment Trap	SE corner of site	6/30/2017	Active	No	
Current Condition:	· ·	filled. Prairie Construction i				
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 w mistakenly removed from the report.					
SW 1	Straw Wattle	North of Building C		Removed		
Current Condition:	Removed - Prairie Col 9/25/18.	Removed - Prairie Construction removed the wattles due to seeding and matting of the area as of the inspection on				
		South Side of Building				
SW 2	Straw Wattle	С		Removed		
Current Condition:	9/18/18.	nstruction removed the wattle	es due to seeding and n	natting of the area as of th	e inspection on	
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 SWPF	PP sign prior to the insp	ection on 9/5/17.		
Certification Statement:	accordance with a sys submitted. Based on n for gathering the inforr	of law, that this document at tem designed to assure that hay inquiry of the person or penation, the information submithat there are significant penknowing violations.	qualified personnel pro ersons who manage the itted is, to the best of m	perly gathered and evalua system or those persons y knowledge and belief, tro	ted the information directly responsible, accurate, and	
ctor Signature:	Jo Mai			Reviewed By:	to Sur	