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Engineering Answers

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

E&A - P2019.247.003

Inspector: Joe Manning		Stage
Project Name:	Lot 55 Cedar Hollow Mall CSW-201904209	2
For Week Ending:	12/12/2020	
Project Location:	23902 Cedar Hollow Mall - Waterloo, NE (Douglas County)	68069

Grading:	100%			
Sanitary Sewer:	100%			
Storm Sewer:	98%			
Paving:	100%			
Seeding:	45%			
Utilities:	1%			
Overall Development:	75%			


RAIN FALL AMOUNTS	Amount in inches	Date inspected	Weather Conditions	Time	
					Week 1
Sunday:	0.00"				
Monday	0.00"				
Tuesday	0.00"				
Wednesday	0.00"				
Thursday	0.00"				
Friday	0.00"				
Saturday	0.00"				
					Week 2
Sunday:	0.00"				
Monday	0.00"	12/7/2020	Mostly Sunny 55/25	10:20 AM	
Tuesday	0.00"				
Wednesday	0.00"				
Thursday	0.00"				
Friday	0.39"				
Saturday	0.10"				
					Week 3
Sunday:	N/A				
Monday	N/A				
Tuesday	N/A				
Wednesday	N/A				
Thursday	N/A				
Friday	N/A				
Saturday	N/A				

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?
Grading has begun on Lot 55 Cedar Hollow Mall (5/21/20). Fine grading throughout site (8/24/20). Downspout installation on the east side of the site (12/07/20).
Which portion(s) (i.e. drainage basins) of the site do not have grading, earthwork, or ground disturbance scheduled in the next 14 days? :
Grading has begun on Lot 55 Cedar Hollow Mall (5/21/20). Fine grading throughout site (8/24/20). Downspout installation on the east side of the site (12/07/20).
What temporary or permanent stabilization measures listed in this section are being implemented?
Existing perimeter vegetation (5/21/20). Seeding and matting installed north of the building, at the stub road on the west side, and at the curb cut on the south side (9/09/20). Seeding in the west and southeast portion of the site (9/23/20).

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?					
Yes					
Create Corrective Action?					
N/A					
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 BMP Section.					
Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?					
No					
Create Corrective Action?					
No - See BMP Section (PT 1).					
Are construction entrances and adjacent streets being maintained adequately?					
No					
Create Corrective Action?					
No - See BMP Section (Str.).					
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 building construction during the current inspection.					
Findings / Corrective Actions (Date):					
Findings / Corrective Actions (Date): 1. See BMP section for required maintenance.					
Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 1	Construction Entrance	Cedar Hollow Mall		Removed	
Current Condition:	Removed - Nelson Hill Contracting paved the construction entrance prior to the inspection on 8/10/20.				
CW 1	Concrete Washout	Southeast side of lot	5/21/2020	Active	No
Current Condition:	Good Condition - Nelson Hill Contracting installed concrete washout pools prior to the inspection on 6/19/20.				
ECM 1	Erosion Control Matting	North side of the lot	9/9/2020	Active	No
Current Condition:	Good Condition - Nelson Hill Contracting installed erosion control matting north of the building prior to the inspection on 9/09/20.				
ECM 2	Erosion Control Matting	West side of the lot	9/9/2020	Active	No
Current Condition:	Good Condition - Nelson Hill Contracting installed erosion control matting west of the building at the stub road prior to the inspection on 9/09/20.				
ECM 3	Erosion Control Matting	Southwest side of the lot	9/9/2020	Active	No
Current Condition:	Good Condition - Nelson Hill Contracting installed erosion control matting along the pavement on the south side of the lot prior to the inspection on 9/09/20.				
ECM 4	Erosion Control Matting	South side of the lot	9/9/2020	Active	No
Current Condition:	Good Condition - Nelson Hill Contracting installed erosion control matting at the curb cut on the south side of the lot prior to the inspection on 9/09/20.				
PT	Portable Toilet	East of CE1	6/10/2020	Active	Yes
Current Condition:	Fair Condition - Nelson Hill Contracting installed and secured a portable toilet on the site prior to the inspection on 6/10/20. The portable toilet should be resecured. Nelson Hill Contracting was informed to complete by 12/14/20.				
SF #1	Silt Fence	Southeast corner	5/21/2020	Active	No
Current Condition:	Good Condition - Nelson Hill Contracting installed the silt fence prior to the inspection on 5/21/20. Nelson Hill Contracting repaired the silt fence prior to the inspection on 8/24/20. E&A inspector retied a portion of the silt fence during the inspection on 12/07/20.				

SF #2	Silt Fence	South of CE 1		Removed	
Current Condition:	Removed - Nelson Hill Contracting removed the silt fence prior to the inspection on 9/23/20. Due to stabilization in the area, the silt fence will no longer be recommended.				
SF #3	Silt Fence	South side of the lot		Removed	
Current Condition:	Removed - Due to stabilization in the area, the silt fence will no longer be recommended.				
SF #4	Silt Fence	Southwest corner	5/21/2020	Active	Yes
Current Condition:	<p>Fair Condition - Nelson Hill Contracting installed the silt fence prior to the inspection on 5/21/20.</p> <p>The silt fence should be repaired or removed.</p> <p>Nelson Hill Contracting was informed to complete by 9/16/20. Not done as of the last inspection. Nelson Hill Contracting was reminded on 9/23/20, 10/30/20, 11/25/20, 12/08/20</p>				
SF #5	Silt Fence	North side of the lot	5/21/2020	Pending	No
Current Condition:	Pending - Silt fence is not needed at this time due to the grade of the lot. E&A will monitor.				
SF #6	Silt Fence	North side of the lot	5/21/2020	Pending	Yes
Current Condition:	<p>Pending - Silt fence is not needed at this time due to the grade of the lot. E&A will monitor.</p> <p>The silt fence should be installed.</p> <p>Nelson Hill Contracting was informed to complete by 11/30/20. Not done as of the last inspection. Nelson Hill Contracting was reminded on 12/08/20.</p>				
SF #7	Silt Fence	Northeast corner	5/21/2020	Pending	Yes
Current Condition:	<p>Pending - Silt fence is not needed at this time due to the grade of the lot. E&A will monitor.</p> <p>The silt fence should be installed.</p> <p>Nelson Hill Contracting was informed to complete by 11/30/20. Not done as of the last inspection. Nelson Hill Contracting was reminded on 12/08/20.</p>				
STR	Street cleaning	Off-Site	In Place	Active	Yes
Current Condition:	<p>Fair Condition - Nelson Hill Contracting cleaned the street prior to the inspection on 9/04/20.</p> <p>Internal/external streets and the stormwater flume running along the east side of the site should be cleaned.</p> <p>Nelson Hill Contracting was informed to complete by 12/08/20.</p>				
SW #1	Straw Wattle	Northeast side of the lot	5/21/2020	Pending	Yes
Current Condition:	<p>Pending - Nelson Hill Contracting installed the straw wattle perpendicular to the plan prior to the inspection on 6/01/20. Nelson Hill Contracting installed the rest of the straw wattle prior to the inspection on 6/10/20. Nelson Hill Contracting removed the straw wattle in preparation for site stabilization prior to the inspection on 8/24/20.</p> <p>The lot should be stabilized or the straw wattle should be reinstalled.</p> <p>Nelson Hill Contracting was informed to complete by 9/11/20. Not done as of the last inspection. Nelson Hill Contracting was reminded on 9/11/20, 9/23/20, 10/30/20, 11/25/20, 12/08/20</p>				
SW #2	Straw Wattle	East side of the lot	5/21/2020	Pending	Yes
Current Condition:	<p>Pending - Nelson Hill Contracting installed the straw wattle perpendicular to the plan prior to the inspection on 6/01/20. Nelson Hill Contracting installed the rest of the straw wattle prior to the inspection on 6/10/20. Nelson Hill Contracting removed the straw wattle in preparation for site stabilization prior to the inspection on 8/24/20.</p> <p>The lot should be stabilized or the straw wattle should be reinstalled.</p> <p>Nelson Hill Contracting was informed to complete by 9/11/20. Not done as of the last inspection. Nelson Hill Contracting was reminded on 9/11/20, 9/23/20, 10/30/20, 11/25/20, 12/08/20</p>				
SW #3	Straw Wattle	Southeast corner of the lot	5/21/2020	Pending	Yes
Current Condition:	<p>Pending - Nelson Hill Contracting installed the straw wattle perpendicular to the plan prior to the inspection on 6/01/20. Nelson Hill Contracting installed the rest of the straw wattle prior to the inspection on 6/10/20. Nelson Hill Contracting removed the straw wattle in preparation for site stabilization prior to the inspection on 8/24/20.</p> <p>The lot should be stabilized or the straw wattle should be reinstalled.</p> <p>Nelson Hill Contracting was informed to complete by 9/11/20. Not done as of the last inspection. Nelson Hill Contracting was reminded on 9/11/20, 9/23/20, 10/30/20, 11/25/20, 12/08/20</p>				
SW #4	Straw Wattle	West side of the lot	9/9/2020	Active	No

Current Condition:	Good Condition - Nelson Hill Contracting installed straw wattles along the stub road on the west side of the lot prior to the inspection on 9/09/20.				
SW #5	Straw Wattle	South side of the lot	9/9/2020	Active	No
Current Condition:	Good Condition - Nelson Hill Contracting installed a straw wattle at the curb cut on the south side of the lot prior to the inspection on 9/09/20.				
SWPPP Sign	Signs	Southeast corner of the lot	5/21/2020	Active	No
Current Condition:	Good Condition - E&A inspector installed SWPPP sign during the inspection on 7/01/20. E&A inspector removed the SWPPP sign prior to the 8/24/20 inspection in preparation for site stabilization. E&A inspector reinstalled the SWPPP sign during the inspection on 10/30/20.				
Inspector Signature: 		Reviewed By: 