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Engineering Answers

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

E&A- P2006.056.001

Inspector: Joe Manning		Stage
Project Name:	Iron Horse	3
For Week Ending:	6/11/2022	
Project Location:	Hwy 6 & Iron Horse Drive- Ashland, NE (Saunders County)	68003

Grading:	100%			
Sanitary Sewer:	100%			
Storm Sewer:	100%			
Paving:	100%			
Seeding:	100%			
Utilities:	100%			
Overall Development:	72%			


RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					Week 1
Sunday:	0.00"				
Monday	0.00"				
Tuesday	0.28"				
Wednesday	0.46"				
Thursday	0.00"				
Friday	0.00"				
Saturday	0.00"				
					Week 2
Sunday:	0.00"				
Monday	0.00"				
Tuesday	0.82"				
Wednesday	1.18"				
Thursday	0.03"				
Friday	0.00"				
Saturday	0.00"				
					Week 3
Sunday:	0.00"				
Monday	0.03"				
Tuesday	0.00"				
Wednesday	0.00"				
Thursday	0.00"				
Friday	0.00"				
Saturday	0.02"				
					Week 4
Sunday:	1.34"				
Monday	0.01"				
Tuesday	0.84"				
Wednesday	0.01"				
Thursday	0.02"				
Friday	0.00"	6/10/2022	Sunny 78/63	1:25 PM	
Saturday	0.53"				
					Week 5
Sunday:					
Monday					
Tuesday					
Wednesday					
Thursday					
Friday					
Saturday					

Complaints:	None

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; grading completed and stabilized prior to Spring 2005.
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; grading completed and stabilized prior to Spring 2005.
What temporary or permanent stabilization measures listed in this section are being implemented?

Dense Vegetation, seeding/sodding, matting, re-seeding 5/2006, paving, and landscaping.					
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.					
Yes					
Create Corrective Action?					
N/A					
Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?					
No					
Create Corrective Action?					
No - See BMP Section.					
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: Home construction is active on a few lots.					
The Home Company was informed to clean the street in front of their lot by 6/17/22.					
Findings / Corrective Actions (Date):					
Findings / Corrective Actions (Date): 1.) Some maintenance is required in the BMP section.					
Unique Name	Type	Location	Projected Install Date	Status	Maintenance
IF 1	Inlet	Lot 110	In Place	Active	No
Current Condition:	Active - This structure was previously referred to as a sediment basin, but is actually functioning as a slope drain/area inlet. As-of the 11/26/18 inspection, silt fence is in place behind the structure and straw wattles are located downhill from the outlet pipe.				
Lot 4 R IV	Silt Fence	Lot 4 R IV		Removed	
Current Condition:	Removed - Trademark Homes sodded the lot prior to the inspection on 5/11/21. The street in front of the lot was cleaned by rain prior to the inspection on 7/15/21. The disturbed area west of the lot has vegetated as of 7/15/21.				
Lot 6 R II	Silt Fence	Lot 6 R II		Removed	
Current Condition:	Removed - Hubbell Homes sodded the lot and removed the concrete waste prior to the inspection on 6/24/21.				
Lot 57	Silt Fence	Lot 57	6/1/2020	Active	No
Current Condition:	Active - An unknown builder began construction on the lot prior to the inspection on 6/01/20. The lot has vegetated as of 10/05/20. The lot is currently vacant.				
Lot 61	Silt Fence	Lot 61	9/28/2021	Active	No
Current Condition:	Removed - The Home Company sodded the lot prior to the inspection on 6/10/22.				
Lot 82	Silt Fence	Lot 82	5/28/2021	Active	Yes
Current Condition:	<p>Fair Condition - Paradise Homes began construction on the lot prior to the inspection on 5/28/21. Paradise Homes installed silt fence along the back side of the lot prior to the inspection on 5/28/21. Paradise Homes installed a run of silt fence along the front of the lot prior to the inspection on 8/25/21. Paradise Homes extended the silt fence along the front of the lot prior to the inspection on 9/28/21. Paradise Homes removed the dirt pile from the ROW and from Lot 47 prior to the inspection on 10/14/21. Paradise Homes removed the concrete waste from the lot and from Lot 47 prior to the inspection on 1/17/22. Paradise Homes cleaned the street, installed straw wattles along the front of the lot, and removed all other silt fence on the lot prior to the inspection on 4/11/22.</p> <p>1.) Silt fence needs to be reinstalled along the sides and back of the lot. 2.) Concrete waste should be removed from the lot. 3.) Street in front of the lot should be cleaned.</p> <p>1.) Paradise Homes was informed to complete by 4/18/22. Not done as of last inspection. 2.) Paradise Homes was informed to complete by 4/18/22. Not done as of last inspection. 3.) Paradise Homes was informed to complete by 6/17/22.</p>				
Lot 1 R VI	Silt Fence	Lot 1 R VI	8/17/2017	Active	No

Current Condition:	Good Condition - Boyer Young repaired the silt fence on the lot prior to the 7/3/18 inspection. Boyer Young removed some of the damaged silt fence and repaired the runs left in place prior to inspection on 7/02/19. As of the inspection on 7/02/19, volunteer vegetation has filled in sufficiently to prevent erosion, therefore seeding is no longer required at this time. Boyer Young removed the damaged runs of silt fence from the lot prior to the inspection on 11/11/20. Lot was formerly identified as Lot 113. Some portions of the silt fence were loose from the t-posts during the inspection on 6/24/21. E&A inspector retied a portion of the silt fence during the inspection on 8/10/21. E&A inspector will make recommendations for the remainder of the loose portion of silt fence once the lot becomes active.				
Lot 152	Individual Lot	Lot 152	11/23/2021	Active	Yes
Current Condition:	Fair Condition - Citadel Homes began construction on the lot and installed silt fence along the back of the lot prior to the inspection on 11/23/21. A dirt pile was observed in the ROW during the current inspection; however, Citadel Homes was actively excavating the lot during the inspection. E&A inspector will monitor and make recommendations as necessary. The E&A inspector retied portions of the silt fence during the inspection on 12/20/21. The silt fence should be repaired/retied where loose along its length and cleaned out where full. Citadel Homes was informed to complete by 2/21/22. Not done as of the last inspection. Citadel Home was reminded on 6/10/22.				
Lot 155	Silt Fence	Lot 155	9/3/2018	Active	Yes
Current Condition:	Fair Condition - Widhalm Custom Homes installed silt fence on the lot to protect sodded lot 154 prior to inspection on 9/3/18. The silt fence should be repaired or removed from the lot. Widhalm Custom Homes was informed to complete by 12/14/20. Not done as of the last inspection. Widhalm Custom Homes was reminded on 3/02/21, 6/25/21, 10/15/21, 3/15/22,				
Lot 156	Silt Fence	Lot 155	9/3/2018	Active	Yes
Current Condition:	Fair Condition - McCaul Homes began construction on the lot prior to the inspection on 9/28/21. McCaul Homes removed the dirt pile from the ROW prior to the inspection on 10/14/21. McCaul Homes installed silt fence along the back and southeast side of the lot prior to the inspection on 4/11/22. The silt fence should be cleaned out and repaired where full and damaged. McCaul Homes was informed to complete by 5/18/22. Not done as of last inspection.				
Lot 184	Individual Lot	Lot 184	11/23/2021	Active	Yes
Current Condition:	Fair Condition - Hubbell Homes began construction on the lot prior to the inspection on 11/23/21. Hubbell Homes installed silt fence along the back of the lot prior to the inspection on 12/20/21. The dirt piles were removed from the ROW of the lot prior to the inspection on 1/17/22. Hubbell Homes secured the portable toilet on the lot prior to the inspection on 4/11/22. 1.) The dirt pile should be removed from the ROW of Lot 185. 2.) The silt fence on the back of the lot should be repaired. 1.) E&A will attempt to identify the builder. Not done as of the last inspection. Hubbell Homes was reminded on 2/15/22, 5/16/22. 2.) Hubbell Homes informed to complete by 5/18/22. Not done as of last inspection.				
Lot 186	Individual Lot	Lot 186		Removed	
Current Condition:	Removed - Woodland Homes sodded the lot and removed the portable toilet prior to the inspection on 11/23/21.				
Lot 194	Individual Lot	Lot 194	1/17/2022	Active	Yes
Current Condition:	Fair Condition - Empire Homes began construction on the lot prior to the inspection on 1/17/22. Empire Homes cleaned the street in front of the lot, installed silt fence along the back and north sides of the lot, and seeded/matted beyond the silt fence at the back of the lot prior to the inspection on 4/11/22. 1.) Concrete waste should be removed from the lot. 2.) Silt fence in the back of the lot should be repaired. Empire Homes was informed to complete by 5/18/22. Not done as of last inspection. 2.) Empire Homes was informed to complete by 6/17/22.				
PDP A	Permanent Detention Pond	41°02'43.47"N 96°20'36.65"W	In Place	Active	No
Current Condition:	Good Condition - This is a pond as of 1993.				
SB 1	Sediment Basin	Lot 109		Removed	
Current Condition:	Removed - Following the 11/26/18 inspection, this structure is no longer being considered a basin as it does not have any sediment storage capacity and appears to be an area inlet/slope drain. See IF 1 for further information.				
SF 3	Silt Fence	Lot 197		Removed	
Current Condition:	Removed- the inspector removed the silt fence during the inspection on 3/22/17.				
SF 5	Silt Fence	South side of lake		Removed	
Current Condition:	Removed- the inspector removed the silt fence during the inspection on 3/22/17.				
SF 8	Silt Fence	40' South of SF 5		Removed	
Current Condition:	Removed- the inspector removed the silt fence during the inspection on 3/22/17.				
SF 9	Silt Fence	East of Lots 119 and 120	In Place	Active	No
Current Condition:	Good Condition - Boyer Young repaired and partially removed the silt fence prior to inspection on 12/5/17. The				
SF 10	Silt Fence	Behind Lot 190		Removed	
Current Condition:	Removed - The silt fence was removed prior to the inspection on 9/01/21.				

STR	Streets	41°02'28.55"N 96°20'36.35"W	In Place	Active	No
Current Condition:	Good Condition - Trademark Homes cleaned the street in front of Lot 5 prior to the inspection on 3/01/21. Hubbell				
SWPPP Sign	SWPPP Sign	Two signs on site	8/8/2008	Active	No
Current Condition:	Good Condition - A sign has been installed at Iron Horse Drive and Hwy 6. South Lakeview Way & South Bend Road entrance. The sign at the South Lakeview Way and South Bend Road entrance was visible again due to the surrounding grass being mowed prior to inspection on 7/02/19. The SWPPP sign by Hwy 6 and Iron Horse Drive had been knocked over prior to inspection on 7/23/19. E&A inspector reinstalled the downed SWPPP sign during inspection on 7/23/19.				
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: 