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Engineering Answers

Zachary A. Jilek, CPESC, CISEC

Environmental Services Dept. Manager

E&A- P2006.056.001

Inspector: Avery Dresser		Stage
Project Name:	Iron Horse NER110574	3
For Week Ending:	6/8/2019	
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	
				Week 1
Sunday:	0.21"			
Monday	0.00"			
Tuesday	0.05"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.20"			
Saturday	0.41"			
				Week 2
Sunday:	0.00"			
Monday	0.00"			
Tuesday	0.57"			
Wednesday	0.00"			
Thursday	0.42"	5/23/2019	68/47 Thunderstorms	
Friday	0.45"	5/24/2019	80/57 Thunderstorms	
Saturday	0.00"			
				Week 3
Sunday:	0.42"			
Monday	0.72"			
Tuesday	0.9"			
Wednesday	0.01"	5/29/2019	Overcast 72/60	
Thursday	0.03"			
Friday	0.00"			
Saturday	0.00"			
				Week 4
Sunday:	0.00"			
Monday	1.43"			
Tuesday	0.01"	6/4/2019	Partly Cloudy 88/67	
Wednesday	0.02"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
				Week 5
Sunday:	N/A	N/A		
Monday	N/A	N/A		
Tuesday	N/A	N/A		
Wednesday	N/A	N/A		
Thursday	N/A	N/A		
Friday	N/A	N/A		
Saturday	N/A	N/A		

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.

Summary Questions:

Are approved entrances and adjacent streets being maintained adequately?

Yes

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

Checklist Questions:

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

No, see BMP section

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

Yes

Comments:

Comments:

Home construction is active on a few lots. **Rain inspection was performed on 5/24/19 due to a rain event greater than 0.5" overnight between 5/23 and 5/24.**


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 8	Silt Fence	Lot 8		Removed	
Current Condition:	Removed - The lot is inactive and stabilized.				
Lot 2	Individual Lot	Lot 2	5/29/2019	Active	No
Current Condition:	Good Condition - Pacesetter Homes began construction on the lot and installed silt fence along the west and north sides prior to inspection on 5/29/19.				
Lot 32	Individual Lot	Lot 32	8/1/2018	Pending	Yes
Current Condition:	<p>Pending - Nathan Homes began construction on the lot prior to the 6/27/18 inspection. During the 7/26/18 inspection, evidence of illicit discharge of concrete wash water into the street and storm drain was noted. As of the 8/22/18 inspection, Nathan Homes had removed the concrete washout debris. Streets were cleaned in front of the lot prior to inspection on 12/5/18.</p> <p>Silt fence or other BMPs need to be installed along the front of the lot.</p> <p>Nathan Homes was informed to complete by 8/1/18. Not done as of the las inspection. Nathan Homes was reminded on 8/23/18, 9/22/18, 11/1/18, 3/19/18, 4/30/19, 5/30/19</p>				
Lot 33	Straw Wattles	Lot 33		Removed	
Current Condition:	Removed - The lot is inactive and stabilized.				
Lot 60	Individual Lot	Lot 60		Removed	
Current Condition:	Removed - No construction activity has occurred as-of the 7/26/18 inspection. Disturbed areas have re-established volunteer vegetation.				
Lot 90	Individual Lot	Lot 90	7/26/2018	Active	Yes
Current Condition:	<p>Fair Condition - Grace Homes began construction on the lot prior to the 7/26/18 inspection. Grace Homes installed silt fence along the front and side of the lot prior to the 7/26/18 inspection. A small section of silt fence on the south side was damaged, but is not receiving runoff as-of the 8/16/18 inspection. E&A inspector will continue to monitor. Grace Homes made some repairs to the silt fence on both sides of the lot, however more maintenance is required. Grace Homes removed the portable toilet on the front of the lot prior to inspection on 5/29/19.</p> <p>1. The silt fence on the south side of the lot needs to be repaired. 2. Sediment should be removed from both adjacent lots. 3. The silt fence on the north side of the lot needs to be properly trenched in and repaired.</p> <p>1. Grace Homes was informed to complete by 11/8/18. Not done as of the last inspection. Grace Homes was reminded on 3/19/19, 4/30/19, 5/30/19 2. Grace Homes was informed to complete by 3/22/19. Not done as of last inspection. Grace Homes was reminded on 4/30/19, 5/30/19 3. Grace Homes was informed to complete by 4/22/19. Not done as of last inspection. Grace Homes was reminded on 4/30/19, 5/30/19</p>				
Lot 113	Silt Fence	Lot 113	8/17/2017	Active	Yes

Current Condition:	<p>Fair Condition - Boyer Young repaired the silt fence on the lot prior to the 7/3/18 inspection.</p> <p>1) The lot needs to be stabilized 2) Silt fence needs to be repaired throughout the lot.</p> <p>1) Boyer Young was informed to complete by 7/4/18. Not done as of the last inspection. Boyer Young was reminded on 9/22/18, 3/19/19, 6/06/19 2) Boyer Young was informed to complete by 9/28/18. Not done as of the last inspection. Boyer Young was reminded on 3/19/19, 6/06/19</p>				
Lot 114	Silt Fence	Lot 114		Removed	
Current Condition:	Removed - Homeowner Brian Mikkelsen sodded the lot prior to the 8/16/18 inspection.				
Lot 119/120	Silt Fence	119/120		Removed	
Current Condition:	Removed - The silt fence is listed in the report as SF 9 as of 12/19/17.				
Lot 126	Individual Lot	Lot 126	7/3/2018	Active	Yes
Current Condition:	<p>Fair Condition - Construction began on the lot prior to the 7/3/18 inspection (builder unknown) with silt fence installed around the perimeter of the lot. Prior to the 7/26/18 inspection, Additional silt fence was installed around the lot to replace the original silt fence that was not entrenched/backfilled. Additional silt fence was installed and existing silt fence was re-enforced prior to the 8/16/18 inspection. During the 9/3/18 inspection, most of the silt fence had been removed for retaining wall installation, and sediment was going off-site. Silt fence had been re-installed prior to the 9/6/18 inspection, and attempts to remove off-site sediment were apparent. The E&A inspector will continue to monitor. Additional silt fence was installed around the lot prior to the 10/11/18 inspection. The homeowners (Nygren) installed silt fence along the west side of the lot prior to inspection on 4/15/19. The homeowners (Nygren) removed portions of the old silt fence on the western side of the lot prior to inspection on 4/15/19.</p> <p>1) The old run of silt fence around the lot need to be repaired and gaps need to be closed. 2) Accumulated sediment needs to be removed from the golf course. 3) New run of silt fence along the west side of the lot needs to be repaired near retaining wall 4) The old run of silt fence on the east side of the lot should be reinstalled or removed</p> <p>1) Homeowners (Nygren) were informed to complete by 11/8/18. Not done as of the last inspection. The inspector met with the builder on site and discussed recommendations for the lot during inspection on 3/15/19. Homeowners (Nygren) were reminded on 6/06/19. 2) Homeowners (Nygren) were informed to complete by 11/2/18. Not done as of the last inspection. The inspector met with the builder on site and discussed recommendations for the lot during inspection on 3/15/19. Homeowners (Nygren) were reminded on 6/06/19. 3) Homeowners (Nygren) were informed to complete by 4/22/19. Not done as of last inspection. Homeowners (Nygren) were reminded on 6/06/19. 4) Homeowners (Nygren) were informed to complete by 4/22/19. Not done as of last inspection. Homeowners (Nygren) were reminded on 6/06/19.</p>				
Lot 129	Silt Fence	Lot 129		Removed	
Current Condition:	Removed - Lot was incorrectly identified as Lot 129. See Lot 130.				
Lot 130	Individual Lot	Lot 130		Removed	
Current Condition:	Removed - The homeowners sodded the lot prior to inspection on 5/29/19.				
Lot 137	Individual Lot	Lot 137	1/23/2019	Active	Yes
Current Condition:	<p>Fair Condition - The Home Company began construction and installed silt fence on the back of the lot prior to the inspection on 1/23/19. The Home Company removed the dirt pile from the ROW prior to the inspection on 2/21/19.</p> <p>1. The silt fence in the rear of the lot needs to be cleaned out/repared. 2. Sediment should be removed from the adjacent lot</p> <p>1. The Home Company was informed to complete by 1/30/19 or as weather allows. Not done as of the last inspection. The Home Company was reminded on 3/19/19, 4/30/10, 5/30/19 2. The Home Company was informed to complete 3/22/19. Not done as of the last inspection. The Home Company was reminded on 4/30/19, 5/30/19</p>				
Lot 138	Individual Lot	Lot 138	1/23/2019	Active	Yes
Current Condition:	<p>Fair Condition - The Home Company began construction and installed silt fence on the back of the lot prior to the inspection on 1/23/19. The Home Company removed the dirt pile from the ROW prior to the inspection on 2/21/19.</p> <p>1. The silt fence in the rear of the lot needs to be cleaned out/repared. 2. Sediment should be removed from the adjacent lot 3. The silt fence should be extended along the back of the lot 4. The portable toilet on the front of the lot should be staked down</p> <p>1. The Home Company was informed to complete by 1/30/19 or as weather allows. Not done as of the last inspection. The Home Company was reminded on 3/19/19, 4/30/19, 5/30/19 2. The Home Company was informed to complete 3/22/19. Not done as of the last inspection. The Home Company was reminded on 4/30/19, 5/30/19 3. The Home Company was informed to complete 3/22/19. Not done as of the last inspection. The Home Company was reminded on 4/30/19, 5/30/19 4. The Home Company was informed to complete 3/22/19. Not done as of the last inspection. The Home Company was reminded on 4/30/19, 5/30/19</p>				
Lot 154	Silt Fence	Lot 154		Removed	

Current Condition:	Removed - Widhalm Custom Homes sodded the lot prior to the inspection on 9/3/18 and installed silt fence on the south side to protect the new sod.				
Lot 155	Silt Fence	Lot 155	9/3/2018	Active	No
Current Condition:	Good Condition - Widhalm Custom Homes installed silt fence on the lot to protect sodded lot 154 prior to inspection on 9/3/18.				
Lot 157	Silt Fence	Lot 157		Removed	
Current Condition:	Removed - Paradise Homes was sodding the lot during the 11/26/18 inspection.				
Lot 197	Silt Fence	Lot 197		Removed	
Current Condition:	Removed - MK Builders Custom Homes sodded the lot prior to the 7/26/18 inspection.				
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	Yes
Current Condition:	<p>Fair Condition - Boyer Young repaired and partially removed the silt fence prior to inspection on 12/5/17. The sediment was removed from the golf course and cart path prior to inspection on 4/29/19.</p> <p>The silt fence is full and needs to be cleaned behind lots 114 and 115.</p> <p>Boyer Young was informed to complete by 3/24/18. Not done as of last inspection. Boyer Young was reminded on 6/28/18, 9/24/18, 3/19/19, 6/06/19</p>				
SF 10	Silt Fence	Behind Lot 190	12/5/2018	Active	No
Current Condition:	Good Condition - The silt fence was mistakenly removed from the report in July, however it is still in place and in good condition. E&A will monitor.				
STR	Streets	41°02'28.55"N 96°20'36.35"W	In Place	Active	No
Current Condition:	Good Condition - No signs of trackout				
SWPPP Sign	SWPPP Sign	Two signs on site	8/8/2008	Active	Yes
Current Condition:	<p>Fair Condition - A sign has been installed at Iron Horse Drive and Hwy 6. South Lakeview Way & South Bend Road entrance.</p> <p>The sign at the South Lakeview Way and South Bend Road entrance is obscured by grass.</p> <p>E&A inspector will put the sign on a taller post during the next inspection as of 6/04/19.</p>				
Inspector Signature: 					Reviewed By: 