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Engineering Answers

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

E&A- P2006.056.001

Inspector: Branson Starns		Stage
Project Name:	Iron Horse NER110574	3
For Week Ending:	5/13/2017	
Project Location:	Hwy 6 & Iron Horse Drive- Ashland, NE (Saunders County)	68003

Grading:	100%			
Sanitary Sewer:	100%			
Storm Sewer:	100%			
Paving:	90%			
Seeding:	100%			
Utilities:	90%			
Overall Development:	60%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	
				Week 1
Sunday:	0.06"			
Monday	0.03"			
Tuesday	0.00"			
Wednesday	0.10"			
Thursday	0.00"			
Friday	0.43"			
Saturday	0.01"			
Sunday:	0.00"			
Monday	0.00"			
Tuesday	0.23"			
Wednesday	0.42"			
Thursday	0.00"	04/20/17	Rain 63/50	
Friday	0.00"			
Saturday	0.00"			
Sunday:	0.00"			
Monday	0.00"			
Tuesday	0.07"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.47"			
Saturday	0.07"			
Sunday:	1.05"			
Monday	0.17"			
Tuesday	0.00"	05/02/17	S. Clouds 67/44	
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
Sunday:	0.00"			
Monday	0.00"			
Tuesday	0.00"			
Wednesday	1.30"			
Thursday	0.00"	5/11/2017	P. Cloudy 72/52	
Friday	0.00"			
Saturday	0.00"			

Complaints:	None

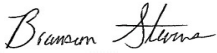
Construction Sequencing:
 Which portion(s) (i.e. drainage basins) of the site have had a temporary or permanent cessation of grading, earthwork, or ground disturbance in the last 14 days?

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.					
Findings / Corrective Actions (Date):					
Findings / Corrective Actions (Date): 1) Some maintenance is required in the BMP section. 2) Lot 35 has a fair amount of concrete debris deposited by some home owner. During the next inspection, E&A will determine which house re-paved their driveway or sidewalk and contact the appropriate persons involved. E&A was able to determine that the concrete was from street repairs. The Iron Horse Golf Club requested that the debris be placed on that lot as they would be used as rip rap in the near future. 3) Lot 119/120 has a silt fence in the rear of the lot. This silt fence was installed prior to E&A's takeover of the project and the lot was previously completed. Downspouts from the roofs are causing erosion on the slopes depositing silt on the golf course. Inspector will now monitor the area. 4) Lot 109/110 has a sediment basin with a riser that was present before E&A took over the project. The lots were completed prior to takeover, and no plans were known of the basin. The basin was full of sediment, up to the trash rack on the riser, and was spilling over causing minor deposition of silt on the golf course below. Inspector will now monitor the area. See SB1. 5) Lot 80 has an area inlet that is being eroded around and the outfall has some erosion. Inspector will monitor the area. 6) Lot 94 has a gazebo which was built into the existing berm disrupting storm water drainage in the area. Inspector will monitor the erosion in the area. 7) Lot 200 has erosion in the back yard possibly due to improper drainage. Inspector will continue to monitor the area.					

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
Lot 7	Silt Fence	Lot 7		Removed	
Current Condition:	Removed-The lot is sodded and there are no signs of runoff in the golf course turf as of inspection on 4/20/15.				
Lot 8	Silt Fence	Lot 8	4/20/2015	Active	Yes
Current Condition:	Fair Condition-The inspector removed the silt fence during the inspection on 3/22/17. The gator guard still needs removed. The gator guard needs removed. PHI was requested to repair or remove the BMPs by 4/27/15. Not done as of last inspection. PHI was reminded on 3/3/2016. PHI was reminded on 8/8/16, 12/21/16, 12/27/16, 3/24/17.				
Lot 18	Silt Fence	Lot 18	11/8/2016	Active	Yes
Current Condition:	Fair Condition- MK Builders repaired the silt fence along the west side and the north side prior to 3/26/17. MK Builders secured the portable toilet to the ground prior to 4/20/17. The silt fence in the northwest corner of the lot needs patched. MK Builders was informed to complete by 4/27/17. Not done as of last inspection. MK Builders were reminded on 5/3/17.				
Lot 33	Straw Wattles	Lot 33	1/15/2015	Active	No
Current Condition:	Good Condition-Nathan Homes had straw wattles installed along the curb line due to the lot being disturbed during construction on lot 118 prior to inspection on 1/15/15.				
Lot 36	Individual Lot	Lot 36		Removed	
Current Condition:	Fair Condition-Silverstone sodded the lot prior to inspection on 7/27/15.				
Lot 37	Silt Fence	Lot 37		Removed	
Current Condition:	Removed-Kendel Homes sodded the lot prior to inspection on 12/15/15.				
Lot 38	Silt Fence	Lot 38	12/29/2015	Pending	No
Current Condition:	Pending- The lot is vegetated and no longer needs to be stabilized by Kindle Homes as of 6/4/16 inspection.				
Lot 61	Individual Lot	Lot 61		Removed	

Current Condition:	Removed-The disturbed portion of the lot is vegetated with natural vegetation as of inspection on 10/29/15.				
Lot 89	Silt Fence	Lot 089		Removed	
Current Condition:	Removed- MK Builders sodded the lot prior to 9/27/16.				
Lot 93	Silt fence	Lot 93		Removed	
Current Condition:	Removed- Al Belt sodded the lot prior to inspection on 8/20/16.				
Lot 114	Silt Fence	Lot 114	8/19/2015	Active	Yes
Current Condition:	<p>Fair Condition- Gaver Const. sodded the front and sides of the lot prior to 4/20/17, the rear of the lot is still exposed with silt fence in place.</p> <p>1) Silt fence in the rear of the lot needs repaired. 2) Silt fence at the base of the slope needs cleaned out. 3) Silt fence along the side of the lot needs repaired. 4) The silt fence at the rear of the property needs backfilled. 5) A couple inlets in the rear of the property needs silt removed.</p> <p>1) Gaver Construction was informed to complete by 10/4/16. Not done as of last inspection. Gaver Construction was reminded on 11/9/16, 11/25/16. Gaver Const. was reminded via voice mail on 12/21/16. Gaver Construction was reminded on 12/27/16 via email and on 1/19/17, 3/24/17, 5/12/17. 2) Gaver Construction was informed to complete by 10/4/16. Not done as of last inspection. Gaver Construction was reminded on 11/9/16, 11/25/16. Gaver Const. was reminded via voice mail on 12/21/16. Gaver Construction was reminded on 12/27/16 via email and on 1/19/17, 3/24/17, 5/12/17. 3) Gaver Construction was informed to complete by 11/15/16. Not done as of last inspection. Gaver Construction was reminded on 11/25/16. Gaver Const. was reminded via voice mail on 12/21/16. Gaver Construction was reminded on 12/27/16 via email and on 1/19/17, 3/24/17, 5/12/17. 4) Gaver Construction was informed to complete by 1/2/16. Not done as of last inspection. Gaver Construction was reminded on 1/19/17, 3/24/17, 5/12/17. 5) Gaver Construction was informed to complete by 1/2/16. Not done as of last inspection. Gaver Construction was reminded on 1/19/17, 3/24/17, 5/12/17.</p>				
Lot 138	Silt Fence	Lot 138		Removed	
Current Condition:	Removed- the silt fence was removed by the inspector on 3/22/17.				
Lot 139	Silt Fence	Lot 139		Removed	
Current Condition:	Removed-Mick Smith Construction sodded the lot prior to inspection on 6/12/15.				
Lot 147	Silt Fence	Lot 147		Removed	
Current Condition:	Removed-PHI removed the silt fence and sodded the lot prior to inspection on 5/6/15.				
Lot 153	Individual Lot	Lot 153		Removed	
Current Condition:	Removed-Widhalm Custom Homes sodded the lot prior to inspection on 7/27/15.				
Lot 154	Silt Fence	Lot 154	8/19/2015	Active	No
Current Condition:	<p>Fair Condition- Widhalm Custom Homes installed more silt fence prior to inspection on 4/15/16.</p> <p>Silt fence needs to be cleaned out and repaired.</p> <p>Widhalm Custom Homes was informed to complete by 5/18/16. Not done as of last inspection. Widhalm Custom Homes was reminded on 6/5/16, 8/8/16. Widhalm was reminded on 3/24/17.</p>				
Lot 159	Silt Fence	Lot 159		Removed	
Current Condition:	Removed- The Home Company sodded the lot prior to inspection on 6/3/16.				
Lot 160	Individual Lot	Lot 160	3/10/2016	Active	Yes
Current Condition:	Removed-The lot was sodded, silt fence installed along the lot 159/160 boundary to protect the inlet prior to inspection on 8/13/16. The streets around the lot need to be cleaned. See STR section.				
Lot 161	Individual Lot	Lot 161	7/13/2016	Active	No
Current Condition:	Good Condition- THC retied/repared the silt fence along the lot prior to 3/22/17.				
Lot 162	Individual Lot	Lot 162	7/13/2016	Active	No
Current Condition:	Active- Silt fence was removed from the rear of the lot and the area was fine graded prior to 3/22/17. Inspector will monitor for stabilization of the lot and will recommend sodding if not completed once the seeding window opens.				
Lot 163	Individual Lot	Lot 163	7/13/2016	Active	No
Current Condition:	Active- Silt fence was removed from the rear of the lot and the area was fine graded prior to 3/22/17. Inspector will monitor for stabilization of the lot and will recommend sodding if not completed once the seeding window opens.				
Lot 164	Individual Lot	Lot 164	7/13/2016	Active	Yes
Current Condition:	Active- Silt fence was removed from the rear of the lot and the area was fine graded prior to 3/22/17. Inspector will monitor for stabilization of the lot and will recommend sodding if not completed once the seeding window opens. THC removed the portable toilet prior to 4/20/17.				
Lot 165	Silt Fence	Lot 165	7/13/2016	Active	No
Current Condition:	Good Condition- THC repaired the silt fence prior to 11/23/16.				
Lot 188	Silt Fence	Lot 188		Removed	

Current Condition:	Removed- Terry Bouge sodded the lot and removed the silt fence prior to inspection on 6/4/16. The adjacent lots vegetation appears adequate and no temporary seeding is needed.				
Lot 189	Silt Fence	Lot 189	6/12/2015	Active	No
Current Condition:	Good Condition-Silt fence is no longer needed and should be removed. The inspector is uncertain if Boyer Young installed the silt fence to prevent silt inundation of the golf course or if it was from lot 189 construction. The inspector wants to monitor the slope after a rain event to determine if the silt fence is still needed. The inspector is recommending leaving the silt fence installed as of 5/11/17.				
PDP A	Permanent Detention Pond	41°02'43.47"N 96°20'36.65"W	In Place	Active	No
Current Condition:	Good Condition				
SB 1	Sediment Basin	Lot 109	In Place	Active	No
Current Condition:	Good Condition- The sediment basin was not known of when E&A took over the project and was covered by dense vegetation. It was discovered when looking at problems silting in the golf course. Boyer Young removed the trash rack and cleaned out the basin prior inspection on 8/31/16 as the basin had no water storage or sediment capacity.				
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- the silt fence was associated with completed lots prior to E&A taking over the project. The downspouts from the roofs of the houses are causing erosion in the area. Inspector will continually monitor the area in the coming inspections.				
STR	Streets	41°02'28.55"N 96°20'36.35"W	In Place	Active	No
Current Condition:	Good Condition- MK Builders removed sediment from along lot 18 prior to 5/11/17.				
SWPPP Sign	SWPPP Sign	Three signs on site	8/8/2008	Active	No
Current Condition:	Good Condition - A sign has been installed at Club House Drive and Hwy 6 and at Iron Horse Drive and Hwy 6. South Lakeview Way & South Bend Road entrance.				
Inspector Signature: 					Reviewed By: 