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Engineering Answers

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

E&A- P2006.056.001

Inspector: Carl Harms, PE		Stage
Project Name:	Iron Horse NER110574	3
For Week Ending:	9/8/2018	
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:	70%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions		
					Week 1
Sunday:	0.00"				
Monday	0.00"				
Tuesday	0.03"				
Wednesday	0.53"				
Thursday	0.41"	08/16/18	86/66 Mostly Sunny		
Friday	0.00"				
Saturday	0.00"				
					Week 2
Sunday:	1.11"				
Monday	1.88"				
Tuesday	0.00"				
Wednesday	0.00"	08/22/18	77/57 Clear		
Thursday	0.00"				
Friday	0.13"				
Saturday	0.00"				
					Week 3
Sunday:	0.03"				
Monday	0.00"				
Tuesday	0.04"				
Wednesday	0.00"				
Thursday	0.00"				
Friday	0.03"				
Saturday	0.26"				
					Week 4
Sunday:	0.62"				
Monday	0.20"	09/03/18	81/70 Rain		
Tuesday	2.06"				
Wednesday	0.07"				
Thursday	0.00"	09/06/18	77/61 Partly Sunny		
Friday	0.02"				
Saturday	0.00"				
					Week 5
Sunday:	N/A				
Monday	N/A				
Tuesday	N/A				
Wednesday	N/A				
Thursday	N/A				
Friday	N/A				
Saturday	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?
Yes
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) During the 8/22/18 inspection, Nathan Homes was observed pumping stormwater from the Lot 32 excavation without any BMPs. Personnel on-site were informed to utilize a BMP, and Nathan Homes was also reminded by email on 8/23/18. 3) During the 9/6/18 inspection, some sediment was present on the golf course path behind lots 110-113. The sediment did not appear to be coming from the Iron Horse development. An unknown party was apparently dumping mud near the path.

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		Removed	
Current Condition:	Removed - The lot is inactive and stabilized.				
Lot 18	Silt Fence	Lot 18		Removed	
Current Condition:	Removed - MK Builders sodded the lot prior to inspection on 8/17/17.				
Lot 32	Individual Lot	Lot 32	8/1/2018	Pending	Yes
Current Condition:	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. Silt fence or other BMPs need to be installed along the front of the lot. 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.				
Lot 33	Straw Wattles	Lot 33		Removed	
Current Condition:	Removed - The lot is inactive and stabilized.				
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		Removed	
Current Condition:	Removed - The lot is vegetated and no longer needs to be stabilized by Kindle Homes as of 6/4/16 inspection.				
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 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 90	Individual Lot	Lot 90	7/26/2018	Active	No
Current Condition:	Good 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.				
Lot 93	Silt fence	Lot 93		Removed	

Current Condition:	Removed- Al Belt sodded the lot prior to inspection on 8/20/16.				
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>The lot needs to be stabilized</p> <p>Boyer Young was informed to complete by 7/4/18. Not done as of the last inspection.</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	No
Current Condition:	<p>Good 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.</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	5/23/2018	Active	No
Current Condition:	<p>Fair Condition - Construction began on the lot prior to the 5/23/18 inspection. Silt fence was installed in the rear of the lot by the builder prior to the 5/23/18 inspection. Additional silt fence was installed in the rear of the lot prior to the 8/16/18 inspection. Streets had been partially cleaned in front of the lot by homeowner prior to the 8/22/18 inspection.</p> <p>1) The silt fence in the rear of the lot needs to be cleaned out. 2) Streets need to be cleaned on the front and side of the lot.</p> <p>1) Homeowner (James and Joanna Tarpy) was informed to complete by 9/12/18 2) Homeowner (James and Joanna Tarpy) was informed to complete by 9/6/18.</p>				
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		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 157	Silt Fence	Lot 157	5/30/2018	Pending	Yes
Current Condition:	<p>Pending - Paradise Homes began construction on the lot prior to the 5/23/18 inspection.</p> <p>1) Silt fence should be installed in the rear and front of the lot. 2) The Street needs to be cleaned near the lot</p> <p>1) Paradise Homes was informed to complete by 5/30/18. Not done as of the last inspection. Paradise Homes was reminded on 6/28/18, 7/26/18, 9/7/18. 2) Paradise Homes was informed to complete by 7/27/18. Not done as of the last inspection. Paradise Homes was reminded on 9/7/18.</p>				
Lot 158	Silt Fence	Lot 158		Removed	
Current Condition:	Removed - The lot was sodded prior to inspection on 12/5/17.				
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	Removed	
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		Removed	
Current Condition:	Removed- THC sodded the lot prior to 6/19/17.				
Lot 162	Individual Lot	Lot 162		Removed	
Current Condition:	Removed- THC sodded the lot prior to 6/19/17.				
Lot 163	Individual Lot	Lot 163		Removed	
Current Condition:	Removed- THC sodded the lot prior to 6/19/17.				
Lot 164	Individual Lot	Lot 164		Removed	
Current Condition:	Removed- THC sodded the lot prior to 6/19/17.				
Lot 165	Silt Fence	Lot 165		Removed	

Current Condition:	Removed- THC sodded the lot prior to 6/19/17.				
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		Removed	
Current Condition:	Removed - The lot was sodded as of last inspection on 9/19/2017.				
Lot 197	Silt Fence	Lot 197		Removed	
Current Condition:	Removed - MK Builders Custom Homes sodded the lot prior to the 7/26/18 inspection.				
Lot 207	Silt Fence	Lot 207		Removed	
Current Condition:	Removed - THC sodded the lot prior to inspection on 12/5/17.				
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	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. Silt fence is behind the sediment basin riser.				
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.</p> <p>The sit 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. Not done as of the last inspection.</p>				
SF 10	Silt Fence	Behind Lot 190		Removed	
Current Condition:	Removed - The silt fence has been removed prior to the 7/26/18 inspection.				
STR	Streets	41°02'28.55"N 96°20'36.35"W	In Place	Active	Yes
Current Condition:	Fair Condition - See individual lots for street cleaning recommendations.				
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.				
Inspector Signature: 		Reviewed By: 