

E & A Consulting Group, Inc.
 10909 Mill Valley Road, Suite 100
 Omaha, NE 68154
 tel 402.895.4700
 fax 402.895.3599
 www.eacg.com



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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:	7/14/2018	
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:	90%			
Overall Development:	70%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions		
					Week 1
Sunday:	0.11"				
Monday	1.28"				
Tuesday	0.00"	06/12/18	83/65 Partly Cloudy		
Wednesday	0.00"				
Thursday	0.00"				
Friday	0.00"				
Saturday	0.00"				
					Week 2
Sunday:	0.04"				
Monday	0.79"				
Tuesday	0.82"				
Wednesday	1.12"	06/20/18	76/63 Thunderstorm		
Thursday	0.10"				
Friday	0.00"				
Saturday	0.00"				
					Week 3
Sunday:	0.02"				
Monday	0.70"				
Tuesday	0.00"				
Wednesday	0.00"	06/27/18	87/65 Clear		
Thursday	0.00"				
Friday	0.00"				
Saturday	0.69"				
					Week 4
Sunday:	0.13"				
Monday	0.00"				
Tuesday	0.01"	07/03/18	93/72 Clear		
Wednesday	0.24"				
Thursday	0.14"				
Friday	0.00"				
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.

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	6/27/2018	Active	No
Current Condition:	Active - Nathan Homes began construction on the lot prior to the 6/27/18 inspection. The E&A inspector will monitor to determine if BMPs are necessary.				
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	6/12/2018	Active	No
Current Condition:	Active - The lot was disturbed prior to the 6/12/18 inspection. The E&A inspector will continue to monitor to determine if BMPs are necessary.				
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 113	Silt Fence	Lot 113	8/17/2017	Active	Yes
Current Condition:	Fair Condition - Boyer Young repaired the silt fence on the lot prior to the 7/3/18 inspection. The lot needs to be stabilized Boyer Young was informed to complete by 7/4/18. Not done as of the last inspection.				
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. Lot ownership was changed to Brian Mikkelsen on 8/23/17. Brian Mikkelsen removed silt from the inlets that are on his property as of inspection on 3/27/18.</p> <p>The silt fence at the rear of the property needs to be backfilled.</p> <p>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. Brian Mikkelsen was reminded on 8/23/17, 12/19/17, 1/26/18, 2/21/18, 3/21/18, 5/23/18.</p>				
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.</p> <p>The silt fence needs to be entrenched/backfilled</p> <p>James and Julie Nygren (listed owner) were informed to complete by 7/10/18.</p>				
Lot 129	Silt Fence	Lot 129	5/23/2018	Active	No
Current Condition:	Good 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.				
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	Yes
Current Condition:	<p>Fair Condition- Widhalm Custom Homes installed more silt fence prior to inspection on 4/15/16. Belt Construction was identified as the builder/owner of the lot on the 5/23/18 inspection. Belt Construction repaired the silt fence on the side of the lot prior to the 6/20/18 inspection. Belt Construction added additional silt fence prior to the 6/27/18 inspection.</p> <p>Silt fence on the side of the lot needs to be cleaned out and repaired.</p> <p>Boyer Young was informed to complete by 5/3/18. Not done as of the last inspection. Belt Construction was reminded on 5/23/18. Not done as of the last inspection.</p>				
Lot 157	Silt Fence	Lot 157	5/30/2018	Active	Yes
Current Condition:	<p>Pending - Paradise Homes began construction on the lot prior to the 5/23/18 inspection.</p> <p>Silt fence should be installed in the rear and front of the lot.</p> <p>Paradies Homes was informed to complete by 5/30/18. Not done as of the last inspection. Paradise Homes was reminded on 6/28/18.</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	9/19/2017	Active	Yes
Current Condition:	<p>Fair Condition - Builder was identified as MK Builders Custom Homes. Sediment was removed from street and curblin prior to inspection on 4/26/18. MK Builders Custom Homes removed the silt fence from the lot and the lot was fine graded in preparation for sodding during the 6/20/18 inspection.</p> <p>The lot needs to be sodded or stabilized.</p> <p>MK Builders Custom Homes was informed to complete by 7/4/2018. Not done as of the last inspection.</p>				
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	In Place	Active	No
Current Condition:	Good Condition - The silt fence was installed by Boyer Young to protect the golf course trail prior to the inspection on 10/11/17. E&A inspector will continue to monitor.				
STR	Streets	41°02'28.55"N 96°20'36.35"W	In Place	Active	No
Current Condition:	Good Condition - Streets do not have significant trackout on them as of the last inspection on 10/11/17. E&A inspector will continue to monitor.				
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: 