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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 NER110574	3
For Week Ending:	6/6/2020	
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:	0.03"				
Monday	0.00"				
Tuesday	0.00"				
Wednesday	0.03"				
Thursday	0.08"				
Friday	0.00"				
Saturday	0.61"				
					Week 2
Sunday:	0.00"				
Monday	0.00"	5/18/2020	59/52 Cloudy	2:45 PM	
Tuesday	0.00"				
Wednesday	0.00"				
Thursday	0.06"				
Friday	0.24"				
Saturday	0.00"				
					Week 3
Sunday:	0.66"				
Monday	0.08"	5/25/2020	Cloudy 61/55	4:30 PM	
Tuesday	1.19"				
Wednesday	0.02"	5/27/2020	Cloudy 73/63	5:00 PM	
Thursday	0.00"				
Friday	0.00"				
Saturday	0.68"				
					Week 4
Sunday:	0.08"				
Monday	0.02"	6/1/2020	Sunny 93/71	4:25 PM	
Tuesday	0.00"				
Wednesday	0.10"				
Thursday	0.01"				
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.					
<b>What temporary or permanent stabilization measures listed in this section are being implemented?</b>					
Dense Vegetation, seeding/sodding, matting, Re-seeding 5/2006, paving, and landscaping.					
<b>Checklist Questions:</b>					
<b>Are receiving waters adjacent to the project free of any significant signs of erosion or sediment that would be associated with the construction activity?</b>					
Yes					
<b>Create Corrective Action?</b>					
N/A					
<b>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.</b>					
Yes					
<b>Create Corrective Action?</b>					
N/A					
<b>Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?</b>					
No					
<b>Create Corrective Action?</b>					
No, See BMP Section					
<b>Are construction entrances and adjacent streets being maintained adequately?</b>					
No					
<b>Create Corrective Action?</b>					
No - See BMP Section					
<b>Is dust associated with the construction activity adequately controlled on the site?</b>					
Yes					
<b>Create Corrective Action?</b>					
N/A					
<b>Comments:</b>					
<b>Comments:</b> Home construction is active on a few lots.					
<b>The rain inspection for the rain event on 5/16/20 (0.61") was completed on 5/18/20.</b>					
<b>The rain inspection for the rain event on 5/30/20 (0.68") was completed on 6/01/20.</b>					
<b>Findings / Corrective Actions (Date):</b>					
Findings / Corrective Actions (Date): 1) Some maintenance is required in the BMP section. 2) There is disturbed ground on either side of the newly-sodded Lot 32 as of inspection on 7/23/19. The lot is flat and doesn't have runoff potential to waterbodies or the street therefore immediate stabilization or installation of BMPs is not necessary at this time. E&A inspector will continue to monitor the area for revegetation.					
<b>Unique Name</b>	<b>Type</b>	<b>Location</b>	<b>Projected Install Date</b>	<b>Status</b>	<b>Maintenance</b>
IF 1	Inlet	Lot 110	In Place	Active	No
<b>Current Condition:</b>	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 2	Individual Lot	Lot 2		Removed	
<b>Current Condition:</b>	Removed - Pacesetter Homes removed the silt fence and sodded the lot prior to the inspection on 11/06/19.				
Lot 5	Silt Fence	Lot 5	5/18/2020	Active	No
<b>Current Condition:</b>	Good Condition - Trademark Homes began construction and installed silt fence along the southeast side of the lot prior to the inspection on 5/18/20.				
Lot 32	Individual Lot	Lot 32		Removed	
<b>Current Condition:</b>	Removed - Nathan Homes removed the concrete debris and sodded the lot prior to inspection on 7/23/19.				
Lot 53	Silt Fence	Lot 53	5/18/2020	Pending	
<b>Current Condition:</b>	Pending - An unknown builder began construction on the lot prior to the inspection on 5/18/20. E&A inspector will monitor the need for BMPs.				
Lot 57	Silt Fence	Lot 57	6/1/2020	Pending	
<b>Current Condition:</b>	Pending - An unknown builder began construction on the lot prior to the inspection on 6/01/20. E&A inspector will monitor the need for BMPs.				
Lot 90	Individual Lot	Lot 90		Removed	
<b>Current Condition:</b>	Removed - Grace Homes sodded the lot prior to inspection on 7/02/19.				
Lot 113	Silt Fence	Lot 113	8/17/2017	Active	Yes

<b>Current Condition:</b>	<p>Fair 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.</p> <ol style="list-style-type: none"> <li>1. The silt fence should be retied to 2 t-posts near the northeast corner of the lot.</li> <li>2. The eastern edge of the upstream-most run of silt fence should be repaired.</li> <li>3. The second upstream-most run of silt fence should be patched where torn on a t-post.</li> </ol> <p>1. Boyer Young was informed to complete by 4/23/20. Not done as of the last inspection. <b>Boyer Young was reminded on 6/02/20.</b></p> <p>2. Boyer Young was informed to complete by 4/23/20. Not done as of the last inspection. <b>Boyer Young was reminded on 6/02/20.</b></p> <p>3. Boyer Young was informed to complete by 4/23/20. Not done as of the last inspection. <b>Boyer Young was reminded on 6/02/20.</b></p>				
Lot 116	Silt Fence	Lot 116	4/28/2020	Active	Yes
<b>Current Condition:</b>	<p><b>Fair Condition</b> - An unknown builder installed silt fence along the back and north sides of the lot prior to the inspection on 4/28/20. <b>The builder removed the dirt pile from the ROW prior to the inspection on 6/01/20.</b></p> <p><b>The silt fence along the back of the lot should be cleaned out.</b></p> <p><b>When the builder is identified they will be informed to complete by 5/25/20.</b></p>				
Lot 126	Individual Lot	Lot 126		Removed	
<b>Current Condition:</b>	Removed - The Homeowners removed the silt fence and sodded the lot prior to inspection on 9/20/19.				
Lot 130	Individual Lot	Lot 130		Removed	
<b>Current Condition:</b>	Removed - The homeowners sodded the lot prior to inspection on 5/29/19.				
Lot 137	Individual Lot	Lot 137		Removed	
<b>Current Condition:</b>	Removed - The Home Company sodded the lot and removed the silt from the adjacent lot prior to inspection on 8/13/19.				
Lot 138	Individual Lot	Lot 138		Removed	
<b>Current Condition:</b>	Removed - The Home Company removed the portable toilet and sodded the lot prior to inspection on 8/13/19.				
Lot 155	Silt Fence	Lot 155	9/3/2018	Active	No
<b>Current Condition:</b>	Good Condition - Widhalm Custom Homes installed silt fence on the lot to protect sodded lot 154 prior to inspection on 9/3/18.				
Lot 163	Silt Fence	Lot 163	9/20/2019	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - Hubbell Homes excavated the lot and installed silt fence along the south side of the lot prior to inspection on 9/20/19. Hubbell Homes removed the dirt pile from the ROW prior to the inspection on 11/06/19. Hubbell Homes cleaned out the silt fence where full, repaired the damaged end of the silt fence, and cleaned the street in front of the lot prior to the inspection on 4/16/20. There is still sediment in the curb inlet in front of the lot that needs to be removed (see updated maintenance comment). Due to regrading of the lot prior to the inspection on 4/16/20, it is no longer necessary to extend the silt fence along the back side of the lot (the back now slopes back toward the interior of the lot and the existing silt fence).</p> <ol style="list-style-type: none"> <li>1. Silt should be removed from the golf course to the south of the lot.</li> <li>2. The dirt in the curb inlet in front of the lot should be cleaned out.</li> </ol> <p>1. Hubbell Homes was informed to complete by 10/14/19. Not done as of the last inspection. Hubbell Homes was reminded on 11/06/19, 12/04/19, 12/31/19, 2/19/20, 4/17/20, 5/19/20.</p> <p>2. Hubbell Homes was informed to complete by 2/20/20. Not done as of the last inspection. Hubbell Homes was reminded on 4/17/20, 5/19/20.</p>				
Lot 193	Silt Fence	Lot 193	9/20/2019	Active	No
<b>Current Condition:</b>	<p><b>Good Condition</b> - An unknown builder excavated the lot and installed straw wattles around the back side of the lot prior to inspection on 9/20/19. The homeowners (Danielson) are listed as the lot owner on the Saunders County Assessor's website, and will therefore be assumed to be responsible for maintenance unless they communicate otherwise. The shifted wattle was restaked, and buried by additional dirt prior to the inspection on 12/04/19. The wattle should be cleaned off, along with the other full wattles (See maintenance item #1). The homeowners (Danielson) cleaned the street, partially cleaned out the wattles on the east side of the lot, partially staked down the new wattles, and replaced the damaged wattle to close the gap on the back side of the lot prior to the inspection on 12/31/19. Murray Custom Homes secured the portable toilet prior to the inspection on 2/19/20. Murray Custom Homes cleaned out the wattles where full on the north side of the lot, staked down the new wattles on the back side of the lot, repositioned and restaked / backfilled the wattles where undermined in the northwest corner of the lot, and stood up and secured the portable toilet prior to the inspection on 4/16/20. <b>Murray Custom Homes removed sediment from disturbed areas beyond the straw wattles and secured the portable toilet prior to the inspection on 5/18/20.</b></p>				
PDP A	Permanent Detention Pond	41°02'43.47"N 96°20'36.65"W	In Place	Active	No
<b>Current Condition:</b>	Good Condition - This is a pond as of 1993.				
SB 1	Sediment Basin	Lot 109		Removed	
<b>Current Condition:</b>	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	
<b>Current Condition:</b>	Removed- the inspector removed the silt fence during the inspection on 3/22/17.				
SF 5	Silt Fence	South side of lake		Removed	
<b>Current Condition:</b>	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, 8/15/19, 12/04/19, 4/17/20, <b>6/02/20</b></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 were observed during the last inspection.				
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.				
Inspector Signature: 					Reviewed By: 