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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:	11/13/2021	
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:	0.00"				
Monday	0.00"				
Tuesday	0.00"				
Wednesday	1.23"				
Thursday	0.00"	10/14/2021	Sunny 64/43	12:30 PM	
Friday	0.00"				
Saturday	0.00"				
					Week 2
Sunday:	0.00"				
Monday	0.00"				
Tuesday	0.00"				
Wednesday	0.00"				
Thursday	0.00"				
Friday	0.00"				
Saturday	0.00"				
					Week 3
Sunday:	2.82"				
Monday	0.00"	10/25/2021	Sunny 57/43	4:20 PM	
Tuesday	0.00"				
Wednesday	1.18"				
Thursday	0.08"	10/28/2021	Cloudy 55/41	2:20 PM	
Friday	0.00"				
Saturday	0.00"				
					Week 4
Sunday:	0.00"				
Monday	0.00"				
Tuesday	0.00"				
Wednesday	0.00"				
Thursday	0.00"				
Friday	0.00"				
Saturday	0.00"				
					Week 5
Sunday:	0.00"				
Monday	0.00"				
Tuesday	0.00"				
Wednesday	0.26"				
Thursday	0.00"				
Friday	0.00"				
Saturday	0.04"				

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.					
Checklist Questions:					
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					
Create Corrective Action?					
N/A					
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.					
Yes					
Create Corrective Action?					
N/A					
Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?					
No					
Create Corrective Action?					
No - See BMP Section.					
Are construction entrances and adjacent streets being maintained adequately?					
No					
Create Corrective Action?					
No - See BMP Section.					
Is dust associated with the construction activity adequately controlled on the site?					
Yes					
Create Corrective Action?					
N/A					
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.) A portable toilet was secured on Lot 30 prior to the inspection on 5/28/21. The portable toilet was unsecured prior to the inspection on 8/25/21. Ms. Suzanne Sapp (owner of 1630 East Ridge Way) was informed to complete by 9/08/21. Not done as of the last inspection.					
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 4 R IV	Silt Fence	Lot 4 R IV		Removed	
Current Condition:	Removed - Trademark Homes sodded the lot prior to the inspection on 5/11/21. The street in front of the lot was cleaned by rain prior to the inspection on 7/15/21. The disturbed area west of the lot has vegetated as of 7/15/21.				
Lot 6 R II	Silt Fence	Lot 6 R II		Removed	
Current Condition:	Removed - Hubbell Homes sodded the lot and removed the concrete waste prior to the inspection on 6/24/21.				
Lot 53	Silt Fence	Lot 53		Removed	
Current Condition:	Removed - Douglas Stagemeyer (homeowner) sodded the lot prior to the inspection on 12/07/20.				
Lot 57	Silt Fence	Lot 57	6/1/2020	Active	No
Current Condition:	Active - An unknown builder began construction on the lot prior to the inspection on 6/01/20. The lot has vegetated as of 10/05/20. The lot is currently vacant.				
Lot 61	Silt Fence	Lot 61	9/28/2021	Active	No
Current Condition:	Good Condition - An unknown builder began construction on the lot prior to the inspection on 9/28/21. A dirt pile was observed in the ROW; however, the builder was actively excavating the lot during the 9/28/21 inspection. The unknown builder removed the dirt pile from the ROW and secured a portable toilet on the lot prior to the inspection on 10/28/21.				
Lot 82	Silt Fence	Lot 82	5/28/2021	Active	Yes

Current Condition:	<p>Fair Condition - Paradise Homes began construction on the lot prior to the inspection on 5/28/21. Paradise Homes installed silt fence along the back side of the lot prior to the inspection on 5/28/21. Paradise Homes installed a run of silt fence along the front of the lot prior to the inspection on 8/25/21. Paradise Homes extended the silt fence along the front of the lot prior to the inspection on 9/28/21. Paradise Homes removed the dirt pile from the ROW and from Lot 47 prior to the inspection on 10/14/21.</p> <p>1.) The silt fence needs to be trenched in. 2.) Concrete waste should be removed from the lot, curblin, and Lot 47. 3.) The street in front of the lot should be cleaned. 4.) The silt fence along the front of the lot should be repaired.</p> <p>1.) Paradise Homes was informed to complete by 6/04/21. Not done as of the last inspection. Paradise Homes was reminded on 6/25/21, 7/16/21, 8/27/21, 10/15/21 2.) Paradise Homes was informed to complete by 7/01/21. Not done as of the last inspection. Paradise Homes was reminded on 7/16/21, 8/27/21, 10/15/21 3.) Paradise Homes was informed to complete by 7/22/21. Not done as of the last inspection. Paradise Homes was reminded on 8/27/21, 10/15/21 4.) Paradise Homes was informed to complete by 9/01/21. Not done as of the last inspection. Paradise Homes was reminded on 10/15/21</p>				
Lot 1 R VI	Silt Fence	Lot 1 R VI	8/17/2017	Active	No
Current Condition:	<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. Boyer Young removed the damaged runs of silt fence from the lot prior to the inspection on 11/11/20. Lot was formerly identified as Lot 113. Some portions of the silt fence were loose from the t-posts during the inspection on 6/24/21. E&A inspector retied a portion of the silt fence during the inspection on 8/10/21. E&A inspector will make recommendations for the remainder of the loose portion of silt fence once the lot becomes active.</p>				
Lot 116	Silt Fence	Lot 116		Removed	
Current Condition:	Removed - Al Belt Custom Homes sodded the lot prior to the inspection on 11/02/20.				
Lot 155	Silt Fence	Lot 155	9/3/2018	Active	Yes
Current Condition:	<p>Fair Condition - Widhalm Custom Homes installed silt fence on the lot to protect sodded lot 154 prior to inspection on 9/3/18.</p> <p>The silt fence should be repaired or removed from the lot.</p> <p>Widhalm Custom Homes was informed to complete by 12/14/20. Not done as of the last inspection. Widhalm Custom Homes was reminded on 3/02/21, 6/25/21, 10/15/21</p>				
Lot 156	Silt Fence	Lot 155	9/3/2018	Active	Yes
Current Condition:	<p>Pending - McCaul Homes began construction on the lot prior to the inspection on 9/28/21. McCaul Homes removed the dirt pile from the ROW prior to the inspection on 10/14/21.</p> <p>Silt fence should be installed along the back and east sides of the lot.</p> <p>McCaul Homes was informed to complete by 10/05/21. Not done as of the last inspection.</p>				
Lot 163	Silt Fence	Lot 163		Removed	
Current Condition:	Removed - Hubbell Home sodded the lot prior to the inspection on 6/20/20.				
Lot 186	Individual Lot	Lot 186	2/2/2021	Active	Yes
Current Condition:	<p>Fair Condition - An unknown builder began excavation on the lot prior to the inspection on 2/02/2021. The builder removed the dirt pile from the ROW prior to the inspection on 3/16/21. The builder cleaned the streets and installed silt fence along the back of the lot prior to the inspection on 3/23/21. The builder placed a portable toilet on the lot prior to the 4/9/21 inspection, the portable toilet was secured. The builder installed silt fence at the back of the lot prior to the inspection on 5/28/21. Woodland Homes installed a second run of silt fence along the back of the lot prior to the inspection on 7/12/21. Woodland Homes removed the silt fence along the back of the lot for retaining wall installation prior to the inspection on 9/28/21. The street was cleaned prior to the inspection on 9/28/21. The curblin along the front of the lot has vegetated as of the inspection on 9/28/21.</p> <p>1.) The portable toilet should be resecured. 2.) Silt fence should be reinstalled along the back of the lot.</p> <p>1.) Woodland Homes was informed to complete by 8/09/21. Not done as of the last inspection. Woodland Homes was reminded on 9/30/21 2.) Woodland Homes was informed to complete by 10/05/21. Not done as of the last inspection.</p>				
Lot 193	Silt Fence	Lot 193		Removed	
Current Condition:	Removed - Murray Custom Homes sodded the lot prior to the inspection on 6/11/20.				
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	No
Current Condition:	Good 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. The silt fence was cleaned out prior to the inspection on 8/10/21.				
SF 10	Silt Fence	Behind Lot 190		Removed	
Current Condition:	Removed - The silt fence was removed prior to the inspection on 9/01/21.				
STR	Streets	41°02'28.55"N 96°20'36.35"W	In Place	Active	No
Current Condition:	Good Condition - Trademark Homes cleaned the street in front of Lot 5 prior to the inspection on 3/01/21. Hubbell Homes cleaned the streets at lot 153 prior to the inspection on 3/23/21.				
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: 