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Engineering Answers

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

E&A- P2005.030.000
 Lot 195 P2005.030.024

Inspector: Bryce Wright		Stage
Project Name:	The Heritage	2
For Week Ending:	NER110495	
	2/12/2022	
Project Location:	East of 156th Street, North and South of Rainwood Road - Bennington, NE (Douglas County)	68007

	The Heritage	Replat 6			
Grading:	100%	90%			
Sanitary Sewer:	100%	95%			
Storm Sewer:	100%	60%			
Paving:	100%	0%			
Seeding:	100%	15%			
Utilities:	100%	0%			
Overall Development:	98%	20%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	
					Week 1
Sunday:	0.00"				
Monday	0.00"				
Tuesday	0.00"				
Wednesday	0.00"				
Thursday	0.00"				
Friday	0.00"				
Saturday	0.00"				
					Week 2
Sunday:	0.00"				
Monday:	0.00"	1/31/2022	Sunny 33	9:45 AM	
Tuesday:	0.00"				
Wednesday:	0.00"				
Thursday:	0.00"				
Friday:	0.00"				
Saturday:	0.00"				
					Week 3
Sunday:	0.00"				
Monday	0.00"				
Tuesday	0.00"				
Wednesday	0.00"				
Thursday	0.02"				
Friday	0.16"				
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 7/2006 and site seeded 9/5/06. Grading began on old school site east of Stargrass Road (11/9/17). Grading activity on site idle (9/9/20). Storm and sewer installation began in replat 6 (9/27/21).

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 7/2006 and site seeded 9/5/06. Grading began on old school site east of Stargrass Road (11/9/17). Grading activity on site idle (9/9/20). Storm and sewer installation began in replat 6 (9/27/21).

What temporary or permanent stabilization measures listed in this section are being implemented?

Wetlands Mitigation Seeding (5/31/06), Slopes Seeded/Matted (8/30/06), Temp. Seeded (9/5/06), Re-Seeded 5/21/07, Re-Seeded ROW on 9/5/07 & 11/14/07, Erosion seeded in various areas (4/09), Old Basin 5 was seeded and matted (5/2/12). The areas that were disturbed when SB 3 and 5 were closed has been seeded (9/10/16/). Area surrounding SB#4 has been seeded (5/22/18). Stub road at the end of N 149th Street seeded and matted (9/8/20). Replat 6 was temp seeded (8/9/21).

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 (Lot 22)

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:

1. Site is active for home building. Replat 6 was inactive as of the most recent inspection.
2. SB 4 is being partially closed to accommodate the dirt from the grading of the new area as of 11/9/17. The inspector will continue to monitor its effectiveness. The surrounding area is primarily built out so the remaining basin can accommodate the flow coming from the adjacent lots. The basin was working effectively as of the 8/13/18 inspection.

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
CE 1	Construction Entrance	Intersection of Rosewood and Rainwood Road	11/21/2017	Pending	No
Current Condition:	Pending - The inspector will recommend an entrance if it becomes necessary as of the 11/21/2017 inspection.				
CW 1	Concrete Washout	Lot 20		Removed	
Current Condition:	Removed - Boyer Young cleaned out and removed the concrete washout prior to the 9/26/15 inspection.				
CW 2	Concrete Washout	Lot 162		Removed	
Current Condition:	Removed - Boyer Young cleaned out and removed the concrete washout prior to the 9/26/15 inspection.				
IF 1	Inlet Filter	Rosewater Prky and Chicory St.		Removed	
Current Condition:	Removed - E&A inspector removed the inlet filter during inspection on 4/15/17.				
Lot 17	Individual Lot	Lot 17		Removed	
Current Condition:	Removed - Metro Homes sodded the lot prior to the inspection on 6/11/21.				
Lot 20	Individual Lot	Lot 20		Removed	
Current Condition:	Removed - Story Homes sodded the lot prior to the inspection on 6/26/21.				
Lot 22	Individual Lot	Lot 22	11/24/2020	Active	No
Current Condition:	Active - Metro Homes began excavating the lot prior to the 11/24/20 inspection. A dirt pile was observed in the ROW during the 11/24/20 inspection. Due to the lot being mostly flat during the 11/24/20 inspection no BMP recommendation is needed at this time. E&A inspector will continue to monitor for BMP installation. Metro Homes removed the dirt pile from the ROW, and the concrete waste prior to the inspection on 1/28/21. Metro Homes removed the dirt pile from the ROW prior to the inspection on 4/19/21.				
Lot 24	Individual Lot	Lot 24		Removed	
Current Condition:	Removed - Story Homes sodded the lot prior to the 11/11/21 inspection.				
Lot 25	Individual Lot	Lot 25		Removed	
Current Condition:	Removed - Metro Homes sodded the lot prior to the inspection on 6/11/21.				
SF 6	Silt Fence	SB 5		Removed	
Current Condition:	Removed - Commercial Seeding removed the silt fence prior to the 10/9/18 inspection.				

SF 7	Silt Fence	SB 3		Removed	
Current Condition:	Removed - SF 7 changed to lot level item (lots 5 and 6) as of 5/15/18.				
SF 8	Silt Fence	Rainwood Road		Removed	
Current Condition:	Removed - Boyer Young installed a silt fence check in front of Rainwood Road prior to 11/23/2016. Silt Fence was repaired prior to the 8/13/18 inspection. Boyer Young removed the silt fence prior to the 10/23/18 inspection.				
SF 9	Silt Fence	The perimeter of the newly graded area	11/21/2017	Active	No
Current Condition:	Good Condition - The silt fence was repaired by Commercial Seeding prior to the inspection on 4/5/18. Commercial Seeding installed silt fence around the existing dirt stock pile prior to the inspection on 3/5/18. The silt fence in the SE corner was repaired prior to inspection on 4/27/18. Silt fence was repaired and sediment was cleaned up from adjacent lots prior to the 8/13/18 inspection. Commercial Seeding repaired and cleaned out the silt fence prior to the 11/6/18 inspection. Commercial Seeding backfilled and repaired the silt fence prior to the 6/24/19 inspection. E&A inspector retied the silt fence where it was damaged during the 8/12/19 inspection. Jerry Banks repaired/cleaned out/trenched in the silt fence in multiple locations prior to the inspection on 6/10/20. Centennial Enterprises trenched in and backfilled the undermined silt fence prior to the inspection on 8/11/20. JBG reinstalled the norther run of silt fence prior to the inspection on 6/21/21. Commercial Seeding fixed all silt fence on site prior to the inspection on 7/26/21. Commercial Seeding fixed all silt fence on site prior to the inspection on 9/27/21.				
SB 3	Sediment Basin	South of Wild Indigo St and Prairie Star St.		Removed	
Current Condition:	Removed - The basin was closed prior to the 8/24/16 inspection.				
SB 4	Sediment Basin	South of 149th Dead End	11/14/2005	Active	No
Current Condition:	Good Condition- 41% Filled - Roth Enterprise cleaned off the risers prior to the 7/7/16 inspection. Dustin Roth removed southern riser and removed dirt to restore drainage prior to inspection on 7/2/18.				
SB 5	Sediment Basin	Southwest corner of Rosewater Pkwy and North H.W.S Cleveland Blvd		Removed	
Current Condition:	Removed - The basin was closed prior to the 8/24/16 inspection.				
STR	Street Cleaning	Entire Site	2/26/2007	Active	Yes
Current Condition:	Fair Condition - CBS Homes cleaned the streets in front of Lot 26 prior to inspection on 6/20/18. Streets were clean during the 9/18/18 inspection. Street was cleaned in front of lot 38 prior to the 10/23/18 inspection. Streets were covered in snow during the 2/19/19 inspection, street cleaning recommendations will remain on the report until the inspector can verify if any street cleaning activities have occurred. Minor street cleaning was performed in front of lots 60, 61, and 66 by plowing activities or by Legacy Homes prior to the 3/5/19 inspection, sediment is still present along the curb line. Legacy Homes cleaned the curb line prior to the 5/7/19 inspection, minor sediment is present in front of lots 38 and 39, inspector will continue to monitor. Brookstone Development cleaned the street in front of lot 44 prior to the 10/22/19 inspection. Metro Homes cleaned the street in front of Lots 17 and 25 prior to the inspection on 5/27/20. Metro Homes cleaned the street in front of Lot 17 prior to the inspection on 8/11/20. Metro Homes cleaned the street in front of lot 17 prior to the inspection on 11/10/20. Metro Homes sodded lots 17 and 25 and no longer require street cleaning(6/21/21). Story Homes cleaned the street in front of lot 20 prior to the inspection on 6/26/21. Story Homes cleaned the street in front of lot 24 prior to the inspection on 11/11/21. The street in front of lot 22 should be cleaned. Metro Homes was informed to complete by 12/22/20. Not done as of last inspection. Metro Homes was reminded on 1/29/21, 3/2/21, 3/26/21, 4/7/21, 6/12/21, 7/14/21, 8/3/21, 9/2/21, 9/30/21, 10/27/21, 12/22/21				
Replat 6					
CE 1	Construction Entrance	Southwest corner	5/27/2021	Active	No
Current Condition:	Good Condition - 95% effective - Mark Hopkins installed the construction entrance prior to the inspection on 10/13/21.				
CE 2	Construction Entrance	Northeast corner	5/27/2021	Pending	No
Current Condition:	Pending- Due to CE 1 being installed a second construction entrance will not be recommended at this time. E&A inspector will continue to monitor and make recommendations.				
D 1	Diversion Ditch	South of SB 4	6/14/2021	Active	No
Current Condition:	Good Condition - JBG installed the diversion prior to the inspection on 6/14/21.				
FT 1	Fuel Tank	On site	11/22/2021	Pending	No
Current Condition:	Pending - JBG installed the fuel tank on site prior to the inspection on 11/22/21. JBG removed the fuel tank from the site prior to the inspection on 12/6/21.				
PT 01	Portable Toilet	Adjacent to CE 2	9/27/2021	Active	No
Current Condition:	Good Condition - Mark Hopkins installed and secured a portable toilet prior to the inspection on 9/27/21. Portable toilet was moved to the east side of CE 1 prior to the 11/11/21 inspection. Mark Hopkins secured the portable toilet prior to the inspection on 12/6/21.				
SF 1	Silt Fence	East edge of site	5/27/2021	Active	No
Current Condition:	Good Condition- Mark Hopkins installed prior to the inspection on 5/27/21. Commercial Seeding extended the silt fence west along the basin prior to the inspection on 9/27/21. Mark Hopkins repaired the silt fence prior to the inspection on 12/6/21.				

SWPPP Sign	Signs	1 sign on site	8-19-08	Active	No
Current Condition:	Good Condition: E&A inspector installed the SWPPP sign on 8/19/08. 156th and Bennington Blvd				
Certification Statement:	"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fines and imprisonment for knowing violations."				
Inspector Signature:	<i>Bryce M Wright</i>			Reviewed By:	<i>[Signature]</i>