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Engineering Answers

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

E&A- P2003.191.000

Inspector: Aaron Tulley		Stage
Project Name:	Newport Hill NER110499	3
For Week Ending:	12/14/2019	
Project Location:	180th St and NE Highway 36- Bennington NE (Douglas County)	68007


Grading:	100%			
Sanitary Sewer:	100%			
Storm Sewer:	100%			
Paving:	100%			
Seeding:	100%			
Utilities:	100%			
Overall Development:	92%			

RAIN FALL AMOUNTS	Amount in inches	Date inspected	Weather Conditions	
Week 1				
Sunday:	0.06"			
Monday	0.12"			
Tuesday	0.00"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
Week 2				
Sunday:	0.00"			
Monday	0.00"			
Tuesday	0.00"			
Wednesday	0.29"			
Thursday	0.08"			
Friday	0.00"			
Saturday	0.00"			
Week 3				
Sunday:	0.00"			
Monday	0.00"			
Tuesday	0.25"			
Wednesday	0.10"			
Thursday	0.02"			
Friday	0.03"			
Saturday	0.05"			
Week 4				
Sunday:	0.08"			
Monday	0.00"	12/02/19	Clear 41/20	
Tuesday	0.00"			
Wednesday	0.03"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
Week 5				
Sunday:	0.00"			
Monday	0.09"			
Tuesday	0.03"			
Wednesday	0.00"			
Thursday	0.00"			

Friday	0.01"				
Saturday	0.07"				
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 was completed on 6/11/07.					
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 was completed on 6/11/07.					
What temporary or permanent stabilization measures listed in this section are being implemented?					
Seeded (6/2007), Re-seeded (9/2007), Paving (9/2007), Seeded (4/2008), Small drainage ditch behind lot 41 was seeded and matted (4/21/15) The sidewalk by the entrance was seeded and matted (3/7/18). OL B next to lot 74 was seeded (11/4/19). River rock rip rap was installed at the flared end on OL B (12/2/19).					
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:					
Multiple houses are being built as of the last inspection. There are currently 6 active lots in the development and 1 vacant lot.					
Findings / Corrective Actions (Date):					
Findings / Corrective Actions (Date):					
1.) Maintenance required in the BMP section.					
2.) Outlot D has been disturbed by homeowner of Lot 36 prior to inspection on 6/27/18. E&A will monitor. Some BMPs are in place and needing maintenance.					
a. straw wattles along outlot need cleaned out					
b. erosion rills need backfilled and seeded					
Maintenance responsibility is currently being determined by SID department. E&A will monitor. Maintenance responsibility is still being determined as of last inspection.					
3.) Silt fence should be installed in OL B to protect the area inlet. The SID department of E&A was informed to line up the maintenance and have the work completed by 12/9/19.					
Unique Name	Type	Location	Projected Install Date	Status	Maintenance
DS 1	Swale	South of Northern Dr. between SB 1 and 2		Removed	
Current Condition:	Removed - The diversion was removed prior to inspection on 5/2/17.				
DS 9	Swale	West of 182nd Cir. towards SB 4		Removed	
Current Condition:	Removed - The diversion was removed prior to inspection on 5/2/17.				
DS 12	Swale	East of Northern Dr. and 182nd Cir towards SB 5		Removed	
Current Condition:	Removed - The diversion was removed prior to inspection on 5/2/17.				
DS 13	Swale	East of Star grass Rd towards SB 6		Removed	
Current Condition:	Removed - No diversion swale was observed during the inspection on 12/8/17.				
DS 14	Swale	North of Star grass Rd towards SB 6		Removed	
Current Condition:	Removed - No diversion swale was observed during the inspection on 12/8/17.				
Lot 7	Individual Lot	Lot 7		Removed	
Current Condition:	Removed - Silverthorn Custom Homes sodded the lot prior to inspection 12/2/19.				
Lot 13	Individual Lot	Lot 13		Removed	

Current Condition:	Removed - The Home Company sodded the lot prior to the 7/30/18 inspection.				
Lot 14	Silt Fence	Lot 14		Removed	
Current Condition:	Removed - Brian Salmon sodded the lot prior to inspection on 12/4/18.				
Lot 15	Individual Lot	Lot 15		Removed	
Current Condition:	Removed - Andrew Petersen sodded the front of the lot prior to inspection on 12/4/18, however, the back of the lot remains unstabilized. Andrew Petersen sodded the remainder of the lot prior to inspection on 7/16/19.				
Lot 19	Individual Lot	Lot 19		Removed	
Current Condition:	Removed - Chris Hruska sodded the lot prior to inspection on 6/13/18.				
Lot 21	Individual Lot	Lot 21		Removed	
Current Condition:	Removed - Dreamscape Homes sodded the lot prior to inspection on 3/7/18.				
Lot 25	Individual Lot	Lot 25		Removed	
Current Condition:	Removed - Ted Smith sodded the lot prior to inspection on 9/4/18.				
Lot 26	Silt Fence	Lot 26		Removed	
Current Condition:	Removed - The lot vegetated due to seeding and is stabilized prior to the inspection on 8/17/18				
Lot 27	Silt Fence	Lot 27		Removed	
Current Condition:	Removed - Ideal Designs sodded the lot prior to inspection on 7/2/18.				
Lot 28	Silt Fence	Lot 28		Removed	
Current Condition:	Removed - Ideal Designs sodded the lot prior to inspection on 5/20/19.				
Lot 29	Individual Lot	Lot 29		Removed	
Current Condition:	Removed - Homestead Builders sodded the lot prior to the 7/30/18 inspection.				
Lot 30	Silt Fence	Lot 30		Removed	
Current Condition:	Removed - Homestead Custom Builders sodded the lot prior to the inspection on 8/17/17. Bradley Schmitt (homeowner) began garage construction and installed silt fence prior to inspection on 1/2/2019. The homeowner sodded around the garage construction area prior to inspection on 7/16/19				
Lot 33	Individual Lot	Lot 33		Removed	
Current Condition:	Removed - The Home Company sodded the lot prior to inspection on 6/4/18.				
Lot 38	Silt Fence	Lot 38		Removed	
Current Condition:	Removed - Terry Matlock sodded the lot prior to the inspection on 3/19/18.				
Lot 42	Individual Lot	Lot 42	8/17/2017	Active	No
Current Condition:	Active - D and D Leasing Began construction on the lot prior to the inspection on 8/17/17. No BMP's are currently needed, the inspector will monitor. Due to lack of disturbance on the lot, silt fence will no longer be recommended on the south side of the lot. The front of the lot was sodded prior to inspection on 12/4/18 and the portable toilet was removed. However, garage construction is active in the SW portion of the lot.				
Lot 48	Individual Lot	Lot 48		Removed	
Current Condition:	Removed - Brett Ehlers sodded the lot prior to inspection on 9/25/18.				
Lot 49	Individual Lot	Lot 49		Removed	
Current Condition:	Removed - Homestead Builders sodded the lot prior to the 8/16/18 inspection.				
Lot 50	Silt Fence	Lot 50		Removed	
Current Condition:	Removed - Ideal Designs sodded the lot prior to inspection on 12/4/18.				
Lot 60	Silt Fence	Lot 60		Removed	
Current Condition:	Removed - Marquee Custom Homes sodded the lot prior to inspection on 6/4/18.				
Lot 67	Individual Lot	Lot 67		Removed	
Current Condition:	Removed - Bart Reynoso sodded the lot prior to inspection on 5/11/18.				
Lot 68	Individual Lot	Lot 68		Removed	
Current Condition:	Removed - Empire Homes sodded the front of the lot prior to inspection on 6/4/18, and the rear of the lot has developed vegetation as-of the 7/30/18 inspection.				
Lot 67	Individual Lot	Lot 72		Removed	
Current Condition:	Removed - The Home Company sodded the lot prior to inspection on 8/16/18.				
Lot 69	Individual Lot	Lot 69		Removed	
Current Condition:	Removed - The Homeowner sodded the lot prior to inspection on 8/13/19.				
Lot 70	Individual Lot	Lot 70		Removed	
Current Condition:	Removed - The Home Company sodded the lot prior to inspection on 7/17/18				
Lot 71	Individual Lot	Lot 71	5/11/2018	Active	Yes
Current Condition:	Active - Lot was being fine graded as of the inspection on 9/20/2019, and sodded by JD Martinez prior to 10/11/2019 Silt should be removed from adjacent sodded lot 68 JD Martinez was informed to complete by 10/2/2019. Not done as of the last inspection.				
Lot 72	Silt Fence	Lot 72		Removed	
Current Condition:	Removed - Robert Keenan sodded the lot prior to the inspection on 3/7/18.				
Lot 73	Silt Fence	Lot 73	8/16/2018	Pending	Yes

Current Condition:	Pending - Silt fence was installed by E&A's contractor for basin closure around the lot prior to inspection on 8/16/18. Lot was re-seeded by contractor prior to inspection on 10/10/18. Builder began excavation on the lot prior to inspection on 5/9/19. The Homeowner removed the dirt pile from the ROW and repaired the silt fence on the front of the lot prior to inspection on 5/20/19. The homeowner installed silt fence along the south side and southeast corner of the lot prior to inspection on 5/20/19. Portions of the silt fence were removed for sidewalk installation prior to inspection on 6/24/19. E&A will monitor the need for reinstallation. There was grading occurring on the lot for utility tie-in during inspection on 10/2/19. The silt fence around the lot was removed prior to inspection on 12/2/19.				
	The silt fence should be reinstalled or the lot should be stabilized				
	Echelon Homes was informed to complete by 12/9/19				
Lot 74	Silt Fence	Lot 74	8/16/2018	Active	Yes
Current Condition:	Active - The lot was seeded prior to inspection on 11/4/19. E&A will monitor for growth. Due to the lot being fine graded and the silt fence removed, the lot should be sodded or the silt fence should be reinstalled. Homestead Custom Builders was informed to complete by 10/3/2019. Not done as of the last inspection.				
Lot 76	Individual Lot	Lot 76		Removed	
Current Condition:	Active - KRT Construction sodded the front of the lot prior to inspection on 12/4/18, however, unstabilized area remains in the back of the lot. KRT Construction reseeded the back of the lot prior to inspection on 6/24/19. KRT Construction sodded the remainder of the lot prior to inspection on 7/16/19.				
Lot 77	Individual Lot	Lot 77		Removed	
Current Condition:	Removed - Citadel Signature Homes sodded the lot prior to inspection on 7/16/19.				
Lot 78	Silt Fence	Lot 78		Removed	
Current Condition:	Removed - Sudbeck Homes sodded the lot prior to inspection on 6/4/18.				
Lot 83	Silt Fence	Lot 83		Removed	
Current Condition:	Removed - Sarah Oconnor sodded the lot prior to the inspection on 3/7/18.				
Lot 84	Individual Lot	Lot 84	8/13/2019	Active	Yes
Current Condition:	Fair Condition - Knapp Custom Homes began construction on the lot prior to inspection on 8/13/19. Knapp Custom Homes was extended along the west side of the lot prior to inspection on 9/9/19. There was grading occurring on the lot for utility tie-in during inspection on 10/2/19. 1. The sediment should be removed from adjacent lots 83 and 85 2. The silt fence on the west side of the lot has a gap that should be closed 3. Silt fence should be installed on the southeast corner of the active area of the lot due to silt running onto the adjacent sodded lot 83. 4. The silt fence should be reinstalled/retied near the front of the lot 1. Knapp Custom Homes was informed to complete while on site during inspection on 8/13/19. Not done as of the last inspection. Knapp Custom Homes was reminded on 9/11/19, 11/7/19. 2. Knapp Custom Homes was informed to complete by 10/1/19. Not done as of the last inspection. Knapp Custom Homes was reminded on 11/7/19. 3. Knapp Custom Homes was informed to complete by 10/1/19. Not done as of the last inspection. Knapp Custom Homes was reminded on 11/7/19. 4. Knapp Custom Homes was informed to complete by 11/11/19. Not done as of the last inspection.				
Lot 85	Individual Lot	Lot 85		Removed	
Current Condition:	Removed - Kelli Wade sodded the lot prior to inspection on 7/17/18.				
Lot 86	Individual Lot	Lot 86		Removed	
Current Condition:	Removed - Trademark Homes sodded the lot prior to inspection on 5/9/19.				
Lot 88	Individual Lot	Lot 88	9/25/2018	Active	No
Current Condition:	Good Condition - Silt fence was installed by E&A's contractor for basin closure around the lot prior to inspection on 9/25/18. Portions of the silt fence have been removed and the lot has been seeded as of inspection on 11/6/18. The silt fence was repaired prior to the inspection on 4/15/19. The E&A inspector retied the silt fence during inspection on 11/4/19.				
SF 1	Silt Fence	South of Lot 21		Removed	
Current Condition:	Removed - Woodland Homes removed the silt fence prior to inspection on 8/16/18.				
SB 1	Sediment Basin	South of Northern Dr. on southwest corner of site		Removed	
Current Condition:	Removed - Basin was closed prior to inspection on 9/25/18.				
SB 2	Sediment Basin	South of Northern Dr. between 185th St and 184th St.	4/9/2007	Active	No

Current Condition:	Good Condition - 29% Filled. The volunteer trees were removed from the basin prior to the 3/20/15 inspection.				
SB 3	Sediment Basin	South of Northern Dr. between 182th St and 184th St.	04/06/07	Active	No
Current Condition:	Good Condition - 39% Filled. The volunteer trees were removed from the basin prior to the 3/20/15 inspection. Basin was mowed prior to inspection on 8/16/18. Minor riser damage was observed during inspection on 8/13/19.				
SB 4	Sediment Basin	South of Northern Dr. between 182th St and 184th St.	04/06/07	Active	No
Current Condition:	Good Condition - 41% Filled. The volunteer trees were removed from the basin prior to the 3/20/15 inspection.				
SB 5	Sediment Basin	East of 182nd Cir.		Removed	
Current Condition:	Removed - Basin was closed prior to inspection on 8/16/18.				
SB 6	Sediment Basin	Northeast of Star grass Rd.	4/9/2007	Active	No
Current Condition:	Good Condition - 48% Filled - The SID cut down volunteer trees prior to the 2/23/16 inspection.				
SB 7	Sediment Basin	North of Star grass Rd. East of 182nd St.	4/9/2007	Active	No
Current Condition:	Good Condition - 42% Filled - The SID cut down volunteer trees prior to the 2/23/16 inspection. There is erosion at the outfall. E&A will monitor.				
SB 8	Sediment Basin	North of Star grass Rd. between 184th St and 182nd St	4/20/2007	Active	No
Current Condition:	Good Condition - 49% Filled - The SID cut down volunteer trees prior to the 2/23/16 inspection.				
STR	Streets	Entire Site	3/20/2007	Active	No
Current Condition:	Good Condition - Streets in front of Lot 77 were cleaned prior to inspection on 9/4/18. Streets were cleaned in front of lots 42, 50 and 86 prior to inspection on 10/10/18. Streets were cleaned in 182nd Circle prior to inspection on 12/4/18. Streets were cleaned in 182nd Circle prior to inspection on 6/24/19. Homestead Custom Builders cleaned the streets in front of Lot 74 prior to inspection on 9/10/19. Streets were cleaned by JD Martinez and Knapp Custom Homes prior to 9/20/2019				
SWPPP signs	Signs	1 sign	8/19/2008	Pending	No
Current Condition:	Good Condition - SW corner of 180th St and Northern Hills Dr.				
Inspector Signature:				Reviewed By: 