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Engineering Answers

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

**E&A- P2005.198.000 (Clearwater Falls)
 E&A-P2005.198.009 (Clearwater Falls Trail)**

Inspector: Matthew Russell	Clearwater Falls/Clearwater Falls Trail	Stage
Project Name:		3 and 2
For Week Ending:	3/10/2018	
Project Location:	48th and Fairview Road- Bellevue, NE (Sarpy County)	68123

Grading:	100%	100%		
Sanitary Sewer:	100%	N/A		
Storm Sewer:	100%	N/A		
Paving:	100%	100%		
Seeding:	100%	50%		
Utilities:	100%	N/A		
Overall Development:	87%	75%		


RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	
				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	0.16"			
Tuesday	0.06"	02/20/18	Tstorm 23/12	
Wednesday	0.00"			
Thursday	0.25"			
Friday	0.00"			
Saturday	0.06"			
				Week 3
Sunday:	0.00"			
Monday	0.00"			
Tuesday	0.00"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
				Week 4
Sunday:	0.00"			
Monday	0.07"			
Tuesday	0.00"	03/06/18	Snow 32/25	
Wednesday	0.00"			
Thursday	0.00"			
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?					
Grading completed and entire site seeded prior to 2005. Entire Site; JC Excavating completed grading Lots 346 through 480 Section II, drainage area 1 and 2 (11/2009). Entire site is now inactive for major grading activities as of the inspection on 11/20/2013. Grading for the Clearwater Falls Trail has ceased as of inspection on 12/18/17.					
Which portion(s) (i.e. drainage basins) of the site do not have grading, earthwork, or ground disturbance scheduled in the next 14 days? :					
Grading completed and entire site seeded prior to 2005. Entire Site; JC Excavating completed grading Lots 346 through 480 Section II, drainage area 1 and 2 (11/2009). Entire site is now inactive for major grading activities as of the inspection on 11/20/2013. Grading for the Clearwater Falls Trail has ceased as of inspection on 12/18/17.					
What temporary or permanent stabilization measures listed in this section are being implemented?					
Paving, dense vegetation and landscaping, Seed and straw mulch over ROW in Northwest quarter of SID (10/08), Sod on various lots (Fall '08), New phase, lots 346-480, seeded (4/10); Outlot B was seeded (6/2011); Lots 16-19 was seeded (8/2011); Outlot L was graded, seed and matted (5/22/2014); 42nd Street and 43rd Avenue was temp seeded (5/22/2014); Additional matting was installed on the South side of Outlot L (8/4/2014); Matting has been installed on the side slopes surrounding outlot M Basin (12/15/2014);					
SUMMARY QUESTIONS:					
Are approved entrances and adjacent streets being maintained adequately?					
No- see BMP section					
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 in the North part of the development by various builders. Outlot J was disturbed when construction equipment used it to access lot 279.					
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
CW 5	Concrete Washout	Lot 387		Removed	
Current Condition:	Removed-Celebrity Homes removed the concrete washout prior to inspection on 11/12/2015.				
CW 6	Concrete Washout	Lot 359		Removed	
Current Condition:	Removed- Washout pit was removed by Celebrity Homes prior to 3/30/2016.				
CW 7	Concrete Washout	Lot 361		Removed	
Current Condition:	Removed- due to the progression of the site, individual lots will be responsible for their concrete waste. Builders will washout on their own lots, if a washout becomes needed the inspector will inform the applicant to install a washout.				
Lot 16	Individual Lot	Lot 16		Removed	
Current Condition:	Removed- Outlot B was seeded and matted by Horizon Homes prior to 5/27/2016.				
Lot 17	Individual Lot	Lot 17		Removed	
Current Condition:	Removed- Newport Homes sodded the lot prior to 11/12/2015.				
Lot 54	Silt Fence	Lot 54		Removed	
Current Condition:	Removed-Nick Peterson sodded the lot prior to inspection on 5/28/15.				
Lot 57	Silt Fence	Lot 57		Removed	
Current Condition:	Removed-Horizon Homes sodded the lot prior to inspection on 5/28/15.				
Lot 59	Individual Lot	Lot 59		Removed	
Current Condition:	Removed- Horizon Homes sodded the lot prior to 11/12/2015.				
Lot 60	Silt Fence	Lot 60		Removed	
Current Condition:	Removed- Horizon Homes sodded the lot prior to 11/1/16.				
Lot 65	Silt Fence	Lot 65	12/18/2017	Active	No

Current Condition:	Active - The Home Company began construction on the lot prior to inspection on 12/18/17. No BMPs are required at this time.				
Lot 68	Silt Fence	Lot 68	2/3/2017	Active	No
Current Condition:	Good Condition - Pacesetter Homes installed silt fence in the rear of the lot prior to 6/28/17. Construction is set to begin on the lot.				
Lot 69	Silt Fence	Lot 69		Removed	
Current Condition:	Removed- Sherwood Homes sodded the lot prior to 7/13/17.				
Lot 76	Silt Fence	Lot 76		Removed	
Current Condition:	Removed- Lot was sodded by Proline Homes prior to 7/31/2015.				
Lot 80	Silt Fence	Lot 80		Removed	
Current Condition:	Removed- Horizon Homes sodded the lot prior to 6/11/2015.				
Lot 82	Silt Fence	Lot 82		Removed	
Current Condition:	Removed- Lot was sodded by Legacy Homes prior to 9/18/2015.				
Lot 88	Silt Fence	Lot 88		Removed	
Current Condition:	Removed- Legacy Homes sodded the lot prior to 11/22/16.				
Lot 89	Individual Lot	Lot 89		Removed	
Current Condition:	Removed- the Home Company sodded the lot prior to 11/1/16.				
Lot 132	Silt Fence	Lot 132		Removed	
Current Condition:	Removed- Regency Homes sodded the lot prior to 4/19/2015.				
Lot 155	Silt Fence	Lot 155		Removed	
Current Condition:	Removed- Regency Homes sodded the lot prior to 4/19/2015.				
Lot 209-210	Silt Fence	Lots 209-210		Removed	
Current Condition:	Removed- Celebrity Homes sodded the lot prior to 11/1/16. Celebrity Homes removed the remaining silt fence prior to 3/27/17.				
Lot 255	Individual Lot	Lot 255		Removed	
Current Condition:	Removed - Legacy Homes sodded the lot prior to the 6/24/15 inspection.				
Lot 256	Silt Fence	Lot 256		Removed	
Current Condition:	Removed- Regency Homes sodded the lot prior to 11/22/16.				
Lot 258	Silt Fence	Lot 258		Removed	
Current Condition:	Removed-Charleston Homes sodded the lot prior to inspection on 5/14/15.				
Lot 259	Silt Fence	Lot 259		Removed	
Current Condition:	Removed-Charleston Homes sodded the lot prior to inspection on 5/14/15.				
Lot 260	Individual Lot	Lot 260		Removed	
Current Condition:	Removed- Sherwood Homes sodded the lot prior to 5/27/2016.				
Lot 261	Individual Lot	Lot 261		Removed	
Current Condition:	Removed- Sherwood Homes sodded the lot prior to 5/27/2016.				
Lot 272	Silt Fence	Lot 272		Removed	
Current Condition:	Removed- Dean Vogel sodded the lot prior to 8/12/2016.				
Lot 273	Silt Fence	Lot 273		Removed	
Current Condition:	Removed- Sherwood Homes sodded the lot prior to 5/11/17.				
Lot 274	Silt Fence	Lot 274		Removed	
Current Condition:	Removed- Regency Homes sodded the lot prior to 12/14/16.				
Lot 275	Individual Lot	Lot 275	1/24/2018	Active	No
Current Condition:	Good Condition - Pacesetter Homes began construction on the lot prior to inspection on 1/24/18. Pacesetter Homes installed silt fence in the rear of the lot prior to inspection on 1/24/18.				
Lot 276	Silt Fence	Lot 276		Removed	
Current Condition:	Removed- Dean Vogel sodded the lot prior to 4/14/2017.				
Lot 277	Silt Fence	Lot 277		Removed	
Current Condition:	Removed- the lot was mistaken as lot 276 This was already sodded.				
Lot 279	Individual Lot	Lot 279	1/17/2018	Active	No
Current Condition:	Active - The Home Company began construction on the lot prior to inspection on 1/17/18. No BMPs are are at this time.				
Lot 280	Silt Fence	Lot 280		Removed	
Current Condition:	Removed - Sherwood Homes sodded the lot prior to inspection on 7/27/17.				
Lot 281	Silt Fence	Lot 281		Removed	
Current Condition:	Removed- Dean Vogel sodded the lot prior to 8/12/2016 and removed the silt fence prior to 8/20/2016.				
Lot 284	Silt Fence	Lot 284		Removed	
Current Condition:	Removed- Sherwood Homes sodded the lot prior to 5/27/2016.				
Lot 282	Silt Fence	Lot 282		Removed	
Current Condition:	Removed- Oakwood Homes removed the silt fence in the rear prior to 7/26/2015.				
Lot 285	Silt Fence	Lot 285		Removed	

Current Condition:	Removed- Sherwood Homes sodded the lot prior to 5/11/17.				
Lot 286	Silt Fence	Lot 286		Removed	
Current Condition:	Removed-Sherwood Homes sodded the lot prior to inspection on 7/8/15.				
Lot 291	Silt Fence	Lot 291	1/17/2018	Active	No
Current Condition:	Good Condition- Sherwood Homes began construction on the lot prior to inspection on 1/17/18. Sherwood Homes installed silt fence in the rear of the lot prior to inspection on 1/17/18.				
Lot 292	Silt Fence	Lot 292		Removed	
Current Condition:	Removed - Pacesetter Homes sodded the lot prior to inspection on 10/9/17.				
Lot 293	Silt Fence	Lot 293	12/25/2017	Active	Yes
Current Condition:	Fair Condition- The Home Company began construction on the lot prior to inspection on 12/18/17. Silt fence needs to be installed on the front of the lot and repaired in the rear of the lot. The Home Company was informed to complete by 12/25/17. Not done as of last inspection. The Home company was reminded on 1/25/18, 2/21/18.				
Lot 294	Silt Fence	Lot 294		Removed	
Current Condition:	Removed - Sherwood Homes sodded the lot prior to inspection on 10/9/17.				
Lot 296	Silt Fence	Lot 296	6/28/2017	Active	No
Current Condition:	Good Condition- Pine Crest Homes removed the stockpile from the ROW prior to 7/13/17. Sprinkler and utilities have been marked and the lot is ready to be stabilized in the spring as of inspection on 1/24/18. Silt fence in the rear of the lot was removed and no additional BMPs will be recommended a this time.				
Lot 297	Silt Fence	Lot 297	7/13/2017	Active	No
Current Condition:	Good Condition- Pacesetter Homes installed silt fence in the rear of the lot prior to 7/13/17				
Lot 299	Silt Fence	Lot 299	1/25/2018	Pending	Yes
Current Condition:	Pending - The Home Company began construction on the lot prior to inspection on 12/18/17. The Home Company removed the dirt pile from the front of the lot prior to inspection on 1/17/18. Silt fence needs to be installed on the front of the lot. The Home Company was informed on 1/25/18 to complete when weather conditions allow. Not done as of last inspection. The Home company was reminded on 2/21/18.				
Lot 300	Silt Fence	Lot 300		Removed	
Current Condition:	Removed- Pinecrest Homes sodded the lot prior to 7/31/2015.				
Lot 302	Silt Fence	Lot 302		Removed	
Current Condition:	Removed - Sherwood Homes sodded the lot prior to inspection on 12/18/17.				
Lot 307	Silt Fence	Lot 307		Removed	
Current Condition:	Removed-Sherwood Homes sodded the lot prior to 8/20/2016.				
Lot 310	Silt Fence	Lot 310		Removed	
Current Condition:	Removed- Sherwood Home sodded the lot prior to 6/14/17.				
Lot 314	Silt Fence	Lot 314		Removed	
Current Condition:	Removed - The Home Company sodded the lot prior to inspection on 8/22/17.				
Lot 315	Silt Fence	Lot 315		Removed	
Current Condition:	Removed- Legacy Homes sodded the lot prior to 11/22/16.				
Lot 316	Silt Fence	Lot 316		Removed	
Current Condition:	Removed - THC sodded the lot prior to inspection on 9/19/17.				
Lot 319	Silt Fence	Lot 319		Removed	
Current Condition:	Removed-Sherwood Homes sodded the lot prior to 9/13/2016.				
Lot 324	Silt Fence	Lot 324		Removed	
Current Condition:	Removed-Sherwood Homes sodded the lot prior to inspection on 7/8/15.				
Lot 325	Silt fence	Lot 325		Removed	
Current Condition:	Removed- Lot was sodded by Sherwood Homes prior to 11/17/2015.				
Lot 326	Silt Fence	Lot 326		Removed	
Current Condition:	Removed-Sherwood Homes sodded the lot prior to inspection on 7/16/15.				
Lot 328	Silt Fence	Lot 328		Removed	
Current Condition:	Removed-Oakwood Homes removed silt fence and sodded the lot prior to inspection on 5/4/15.				
Lot 329	Silt Fence	Lot 329	3/6/2017	Active	Yes

Current Condition:	Fair Condition- Regency Homes removed the dirt stockpile from the ROW prior to 5/11/17 and installed a gator guard along the front of the lot. Regency Homes reinstalled the gator guards along the front of the lot prior to 6/23/17. Regency Homes replaced the erosion eels around the lot prior to inspection on 9/19/17. The erosion eels along the front of the lot are damaged and need to be replaced. Regency Homes was informed to complete by 10/16/17. Not done as of last inspection. Regency Homes was reminded on 11/28/17, 1/25/18, 2/21/18 .				
Lot 336	Temp. Seeding	Lot 336		Removed	
Current Condition:	Removed- As of 8/18/2015, lot has filled in and temp seeding is not needed.				
Lot 336	Silt Fence	Lot 336		Removed	
Current Condition:	Removed- Sherwood Homes sodded the lot prior to 10/6/16.				
Lot 337	Silt Fence	Lot 337		Removed	
Current Condition:	Removed-Sherwood Homes removed the silt fence and sodded the lot prior to inspection on 5/28/15.				
Lot 344	Silt Fence	Lot 344		Removed	
Current Condition:	Removed- the Home Company sodded the lot prior to 11/1/16.				
Pod F	Silt Fence	Lots 426-454		Removed	
Current Condition:	Removed-Lots 427 and 428 were sodded prior to 12/1/2015 by Celebrity Homes.				
Pod G	Silt Fence	Lots 404-425		Removed	
Current Condition:	Removed-Lot 404 was sodded prior to 6/29/2016. Pod has been built out.				
Pod H	Silt Fence	Lots 455-473		Removed	
Current Condition:	Removed- Lot 460 was sodded by Celebrity Homes prior to the inspection on 4/25/2015.				
Pod I	Silt Fence	Lots 346-355		Removed	
Current Condition:	Removed-Lot 355 was sodded prior to 8/18/2015 by Celebrity Homes.				
Pod J	Silt Fence	Lots 381-394		Removed	
Current Condition:	Removed - Pod J is built out as of 8/12/2016.				
Pod K	Silt Fence	Lots 372-403		Removed	
Current Condition:	Removed - Celebrity Homes sodded lot 379 prior to 11/22/16 completing the pod.				
Pod L	Silt Fence	Lots 371-356		Removed	
Current Condition:	Removed - Celebrity Homes sodded lots 364, and 361-359 completing the pod.				
SB 1	Sediment Basin	Outlot "M"	In Place	Active	No
Current Condition:	Good Condition-45% Filled. Vegetation was removed from the basin and the slopes were seeded and matted by the SID prior to inspection on 10/23/14. Vegetation was removed from the basin by the SID prior to inspection on 9/19/17.				
SB 3	Sediment Basin	School Lot 165	In Place	Active	No
Current Condition:	Good Condition-20% Filled -Cleaned out 02/06				
SB 5	Sediment Basin	Outlot "L"	11/17/2009	Active	No
Current Condition:	Good Condition- 15% Filled - JC Excavating installed prior to inspection on 11/18/09.				
Clearwater Falls Trail					
CD 1	Check Dam	Northern side of site	10/2/2017	Active	No
Current Condition:	Good Condition - BMP will be installed once grading has begun on site. John Navarro installed the check dam prior to inspection on 12/18/17.				
EM 1	Erosion Control Matting	East side of site	10/2/2017	Pending	No
Current Condition:	Good Condition - BMP will be installed once grading has begun on site. John Navarro installed the erosion control matting prior to inspection on 1/17/18.				
EM 2	Erosion Control Matting	West side of site	10/2/2017	Pending	Yes
Current Condition:	Fair Condition - BMP will be installed once grading has begun on site. John Navarro installed the erosion control matting prior to inspection on 1/17/18. The erosion control matting is damaged near the inlet and needs to be repaired. John Navarro was informed to complete by 3/13/18.				
SF 1	Silt Fence	Southern side of site	11/27/2017	Pending	Yes
Current Condition:	Pending - BMP will be installed once grading has begun on site. The silt fence needs to be installed John Navarro was informed to complete by 11/27/17. Not done as of last inspection. John Navarro was reminded on 3/7/18.				
SF 2	Silt Fence	Souther side of site	11/27/2017	Pending	Yes

Current Condition:	Pending - BMP will be installed once grading has begun on site.				
	The silt fence needs to be installed				
	John Navarro was informed to complete by 11/27/17. Not done as of last inspection. John Navarro was reminded on 3/7/18.				
SF 3	Silt Fence	Souther side of site		Removed	
Current Condition:	Removed - John Navarro stabilized the area prior to inspection on 3/6/18 and the silt fence is no longer required.				
SF 4	Silt Fence	Northern side of site	11/27/2017	Pending	Yes
Current Condition:	Pending - BMP will be installed once grading has begun on site.				
	The silt fence needs to be installed				
	John Navarro was informed to complete by 11/27/17. Not done as of last inspection. John Navarro was reminded on 3/7/18.				
IP 1	Inlet Protection	Souther side of site	11/27/2017	Pending	Yes
Current Condition:	Pending - BMP will be installed once grading has begun on site.				
	The inlet protection needs to be installed				
	John Navarro was informed to complete by 11/27/17. Not done as of last inspection. John Navarro was reminded on 3/7/18.				
STR	Street Cleaning	streets	5/1/2007	Active	Yes
Current Condition:	Fair Condition- Pacesetter Homes scraped up dirt from the street in front of lot 297 prior to 6/19/17. Pacetter Homes cleaned the track out from along lot 292 prior to 7/13/17. Regency Homes cleaned the track out in front of lot 329. Track out was cleaned in front of lot 302 prior to inspection on 10/9/17.				
	Street in between the trail entrance and the park needs to be cleaned.				
	John Navarro was informed to complete by 12/11/17. Not done as of last inspection. John Navarro was reminded on 3/7/18.				
SWPPP Sign	Signs	1 sign on site	8-19-08	Active	No
Current Condition:	Good Condition: 48th and Birchwood Drive				
Inspector Signature:			Reviewed By: 