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**E & A CONSULTING GROUP, INC.**

*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: Aaron Tulley	<b>Clearwater Falls/Clearwater Falls Trail</b> <b>CSW-201701144</b>	Stage
Project Name:		3 and 2
For Week Ending:		<b>7/14/2018</b>
Project Location:		48th and Fairview Road- Bellevue, NE (Sarpy County) <span style="float: right;"><b>68123</b></span>

Grading:	100%	100%		
Sanitary Sewer:	100%	N/A		
Storm Sewer:	100%	50%		
Paving:	100%	95%		
Seeding:	100%	50%		
Utilities:	100%	N/A		
Overall Development:	87%	75%		

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	
				<b>Week 1</b>
Sunday:	0.12"			
Monday	0.88"			
Tuesday	0.00"	06/12/18	Scattered Clouds 83/63	
Wednesday	0.00"	06/13/18	Scattered Clouds 81/63	
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
				<b>Week 2</b>
Sunday:	0.27"			
Monday	0.85"			
Tuesday	2.43"	06/19/18	Tstorm 84/68	
Wednesday	0.73"	06/20/18	Rain 76/63	
Thursday	0.06"			
Friday	0.00"			
Saturday	0.01"			
				<b>Week 3</b>
Sunday:	0.01"			
Monday	0.52"			
Tuesday	0.00"	06/26/18	Partly Cloudy 83/63	
Wednesday	0.00"	06/27/18	Hazy 87/64	
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
				<b>Week 4</b>
Sunday:	0.00"			
Monday	0.00"			
Tuesday	0.00"			
Wednesday	0.00"			
Thursday	0.00"			
Friday	0.00"			
Saturday	0.00"			
				<b>Week 5</b>
Sunday:	NA			
Monday	NA			
Tuesday	NA			
Wednesday	NA			
Thursday	NA			
Friday	NA			
Saturday	NA			


**Complaints:** None

<b>Construction Sequencing:</b>					
<b>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?</b>					
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. Grading has begun at Clearwater Falls Trail for installation of Storm Sewer on N side of trail.					
<b>Which portion(s) (i.e. drainage basins) of the site do not have grading, earthwork, or ground disturbance scheduled in the next 14 days? :</b>					
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. Grading has begun at Clearwater Falls Trail for installation of Storm Sewer on N side of trail.					
<b>What temporary or permanent stabilization measures listed in this section are being implemented?</b>					
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); John Navarro installed the erosion control matting 1 & 2 for the trail project (1/17/18). Park Area has been seeded and matted (5/9/18). Storm Sewer Installed and disturbed area has been seeded and matted (5/9/18).					
<b>SUMMARY QUESTIONS:</b>					
<b>Are approved entrances and adjacent streets being maintained adequately?</b>					
Yes					
<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>CHECKLIST QUESTIONS:</b>					
<b>Are waste materials (concrete, construction material, hazardous, etc.) being managed properly?</b>					
Yes					
<b>Is dust associated with the construction activity adequately controlled on the site?</b>					
Yes					
<b>Comments:</b>					
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.					
<b>Findings / Corrective Actions (Date):</b>					
<b>Findings / Corrective Actions (Date):</b> 1.) Some maintenance is required in the BMP Section.					
<b>Unique Name</b>	<b>Type</b>	<b>Location</b>	<b>Projected Install Date</b>	<b>Status</b>	<b>Maintenance</b>
CW 5	Concrete Washout	Lot 387		Removed	
<b>Current Condition:</b>	Removed-Celebrity Homes removed the concrete washout prior to inspection on 11/12/2015.				
CW 6	Concrete Washout	Lot 359		Removed	
<b>Current Condition:</b>	Removed- Washout pit was removed by Celebrity Homes prior to 3/30/2016.				
CW 7	Concrete Washout	Lot 361		Removed	
<b>Current Condition:</b>	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	
<b>Current Condition:</b>	Removed- Outlot B was seeded and matted by Horizon Homes prior to 5/27/2016.				
Lot 17	Individual Lot	Lot 17		Removed	
Lot 41	Individual Lot	Lot 41	1/24/2018	Active	Yes
Current Condition:	Fair Condition - Pacesetter Homes began construction on the lot prior to inspection on 6/4/18. Pacesetter Homes installed silt fence on the north and west portions of the lot prior to inspection on 6/4/18.  The dirt piles need removed from the ROW.  Pacesetter Homes was informed to complete by 6/11/18. <b>Not done as of last inspection.</b>				
<b>Current Condition:</b>	Removed- Newport Homes sodded the lot prior to 11/12/2015.				
Lot 54	Silt Fence	Lot 54		Removed	
<b>Current Condition:</b>	Removed-Nick Peterson sodded the lot prior to inspection on 5/28/15.				
Lot 57	Silt Fence	Lot 57		Removed	
<b>Current Condition:</b>	Removed-Horizon Homes sodded the lot prior to inspection on 5/28/15.				
Lot 59	Individual Lot	Lot 59		Removed	
<b>Current Condition:</b>	Removed- Horizon Homes sodded the lot prior to 11/12/2015.				
Lot 60	Silt Fence	Lot 60		Removed	

<b>Current Condition:</b>	Removed- Horizon Homes sodded the lot prior to 11/1/16.				
Lot 65	Silt Fence	Lot 65	12/18/2017	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - The Home Company began construction on the lot prior to inspection on 12/18/17. No BMPs are required at this time. Silt fence around lot was removed prior to inspection on 5/9/18.</p> <p>1. Sediment in the streets needs to be cleaned daily. 2. Silt fence should be reinstalled in the NW corner OR the lot should be stabilized.</p> <p>1. The Home Company was informed to complete by 3/20/18. Not done as of last inspection. The Home Company was reminded on 4/13/18, 5/10/18. 2. The Home Company was informed to complete by 5/16/18. Not done as of the last inspection.</p>				
Lot 68	Silt Fence	Lot 68	2/3/2017	Active	Yes
<b>Current Condition:</b>	<p>Fair 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. Pacesetter Homes began construction on the lot prior to inspection on 3/19/18. The silt fence already in place is sufficient as a lot level BMP. Pacesetter Homes added a piece of silt fence in the back of the lot prior to inspection on 5/22/18.</p> <p>1.) The silt fence needs to be repaired and entrenched in the back of the lot 2.) The silt fence needs to be repaired in the northeast corner of the lot 3.) The sediment needs to be removed from Lot 67.</p> <p>1.) Pacesetter Homes was informed to complete by 5/29/18. Not done as of last inspection. 2.) Pacesetter Homes was informed to complete by 6/11/18. <b>Not done as of last inspection.</b> 3.) Pacesetter Homes was informed to complete by 6/11/18. <b>Not done as of last inspection.</b></p>				
Lot 69	Silt Fence	Lot 69		Removed	
<b>Current Condition:</b>	Removed- Sherwood Homes sodded the lot prior to 7/13/17.				
Lot 76	Silt Fence	Lot 76		Removed	
<b>Current Condition:</b>	Removed- Lot was sodded by Proline Homes prior to 7/31/2015.				
Lot 80	Silt Fence	Lot 80		Removed	
<b>Current Condition:</b>	Removed- Horizon Homes sodded the lot prior to 6/11/2015.				
Lot 82	Silt Fence	Lot 82		Removed	
<b>Current Condition:</b>	Removed- Lot was sodded by Legacy Homes prior to 9/18/2015.				
Lot 88	Silt Fence	Lot 88		Removed	
<b>Current Condition:</b>	Removed- Legacy Homes sodded the lot prior to 11/22/16.				
Lot 89	Individual Lot	Lot 89		Removed	
<b>Current Condition:</b>	Removed- the Home Company sodded the lot prior to 11/1/16.				
Lot 132	Silt Fence	Lot 132		Removed	
<b>Current Condition:</b>	Removed- Regency Homes sodded the lot prior to 4/19/2015.				
Lot 155	Silt Fence	Lot 155		Removed	
<b>Current Condition:</b>	Removed- Regency Homes sodded the lot prior to 4/19/2015.				
Lot 209-210	Silt Fence	Lots 209-210		Removed	
<b>Current Condition:</b>	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	
<b>Current Condition:</b>	Removed - Legacy Homes sodded the lot prior to the 6/24/15 inspection.				
Lot 256	Silt Fence	Lot 256		Removed	
<b>Current Condition:</b>	Removed- Regency Homes sodded the lot prior to 11/22/16.				
Lot 257	Individual Lot	Lot 257	3/19/2018	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition - The Home Company began construction on the lot prior to inspection on 3/19/18. The Home Company installed silt fence around the perimeter of the lot prior to inspection on 3/19/18.</p> <p>1. The streets need to be cleaned in front of the lot. 2. The silt fence on the S side of the lot is full and should be cleaned out. 3. The silt fence on the NE corner of the lot needs to be cleaned out.</p> <p>1. The Home Company was informed to complete by 4/3/18. Not done as of last inspection. The Home Company was reminded on 4/13/18, 5/10/18, 6/5/18. 2. The Home Company was informed to complete by 4/18/18. Not done as of last inspection. The Home Company was reminded on 5/10/18, 6/5/18. 3. The Home Company was informed to complete by 6/11/18.</p>				
Lot 258	Silt Fence	Lot 258		Removed	
<b>Current Condition:</b>	Removed-Charleston Homes sodded the lot prior to inspection on 5/14/15.				
Lot 259	Silt Fence	Lot 259		Removed	
<b>Current Condition:</b>	Removed-Charleston Homes sodded the lot prior to inspection on 5/14/15.				
Lot 260	Individual Lot	Lot 260		Removed	
<b>Current Condition:</b>	Removed- Sherwood Homes sodded the lot prior to 5/27/2016.				
Lot 261	Individual Lot	Lot 261		Removed	
<b>Current Condition:</b>	Removed- Sherwood Homes sodded the lot prior to 5/27/2016.				
Lot 272	Silt Fence	Lot 272		Removed	
<b>Current Condition:</b>	Removed- Dean Vogel sodded the lot prior to 8/12/2016.				

Lot 273	Silt Fence	Lot 273		Removed	
<b>Current Condition:</b>	Removed- Sherwood Homes sodded the lot prior to 5/11/17.				
Lot 274	Silt Fence	Lot 274		Removed	
<b>Current Condition:</b>	Removed- Regency Homes sodded the lot prior to 12/14/16.				
Lot 275	Individual Lot	Lot 275	1/24/2018	Active	No
<b>Current Condition:</b>	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. Streets were cleaned by Pacesetter Homes prior to inspection on 3/27/18.				
Lot 276	Silt Fence	Lot 276		Removed	
<b>Current Condition:</b>	Removed- Dean Vogel sodded the lot prior to 4/14/2017.				
Lot 277	Silt Fence	Lot 277		Removed	
<b>Current Condition:</b>	Removed- the lot was mistaken as lot 276 This was already sodded.				
Lot 279	Individual Lot	Lot 279	1/17/2018	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition -</p> <ol style="list-style-type: none"> <li>Silt Fence along W side of lot should be repaired/retied &amp; extended and possibly wrapped around corner on front of lot</li> <li>Silt fence on rear of lot is undermined and needs to be backfilled/retrenched</li> <li>Silt fence in the SW corner of the lot needs to be cleaned out</li> <li><b>Sediment needs to be cleaned from adjacent lots where silt fence has broken</b></li> </ol> <ol style="list-style-type: none"> <li>The Home Company was informed to complete by 4/18/18. Not done as of last inspection. The Home Company was reminded on 5/10/18, 6/5/18.</li> <li>The Home Company was informed to complete by 4/18/18. Not done as of last inspection. The Home Company was reminded on 5/10/18, 6/5/18.</li> <li>The Home Company was informed to complete by 6/11/18. <b>Not done as of last inspection.</b></li> <li><b>The Home Company was informed to complete by 6/20/18. Not done as of last inspection.</b></li> </ol>				
Lot 280	Silt Fence	Lot 280		Removed	
<b>Current Condition:</b>	Removed - Sherwood Homes sodded the lot prior to inspection on 7/27/17.				
Lot 281	Silt Fence	Lot 281		Removed	
<b>Current Condition:</b>	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	
<b>Current Condition:</b>	Removed- Sherwood Homes sodded the lot prior to 5/27/2016.				
Lot 282	Silt Fence	Lot 282		Removed	
<b>Current Condition:</b>	Removed- Oakwood Homes removed the silt fence in the rear prior to 7/26/2015.				
Lot 285	Silt Fence	Lot 285		Removed	
<b>Current Condition:</b>	Removed- Sherwood Homes sodded the lot prior to 5/11/17.				
Lot 286	Silt Fence	Lot 286		Removed	
<b>Current Condition:</b>	Removed-Sherwood Homes sodded the lot prior to inspection on 7/8/15.				
Lot 291	Silt Fence	Lot 291	1/17/2018	Active	Yes
<b>Current Condition:</b>	<p>Fair Condition-</p> <ol style="list-style-type: none"> <li>Silt Fence in the back of the lot needs to be cleaned out and repaired.</li> <li><b>Silt needs to be removed that has gone over fence in back of lot.</b></li> </ol> <ol style="list-style-type: none"> <li>Sherwood Homes was informed to complete by 4/3/18. Not done as of last inspection.</li> <li><b>Sherwood Homes was informed to complete by 7/4/18.</b></li> </ol>				
Lot 292	Silt Fence	Lot 292		Removed	
<b>Current Condition:</b>	Removed - Pacesetter Homes sodded the lot prior to inspection on 10/9/17.				
Lot 293	Silt Fence	Lot 293		Removed	
<b>Current Condition:</b>	Removed - The Home Company sodded the lot prior to inspection on 6/8/18.				
Lot 294	Silt Fence	Lot 294		Removed	
<b>Current Condition:</b>	Removed - Sherwood Homes sodded the lot prior to inspection on 10/9/17.				
Lot 296	Silt Fence	Lot 296		Removed	
<b>Current Condition:</b>	Removed - Pine Crest Homes sodded the lot prior to inspection on 5/9/18.				
Lot 297	Silt Fence	Lot 299		Removed	
<b>Current Condition:</b>	Removed - The Home Company sodded the lot prior to inspection on 6/4/18.				
Lot 299	Silt Fence	Lot 299		Removed	
<b>Current Condition:</b>	Removed - The Home Company sodded the lot prior to inspection on 6/4/18.				
Lot 300	Silt Fence	Lot 300		Removed	
<b>Current Condition:</b>	Removed- Pinecrest Homes sodded the lot prior to 7/31/2015.				

Lot 302	Silt Fence	Lot 302		Removed	
<b>Current Condition:</b>	Removed - Sherwood Homes sodded the lot prior to inspection on 12/18/17.				
Lot 307	Silt Fence	Lot 307		Removed	
<b>Current Condition:</b>	Removed-Sherwood Homes sodded the lot prior to 8/20/2016.				
Lot 310	Silt Fence	Lot 310		Removed	
<b>Current Condition:</b>	Removed- Sherwood Home sodded the lot prior to 6/14/17.				
Lot 314	Silt Fence	Lot 314		Removed	
<b>Current Condition:</b>	Removed - The Home Company sodded the lot prior to inspection on 8/22/17.				
Lot 315	Silt Fence	Lot 315		Removed	
<b>Current Condition:</b>	Removed- Legacy Homes sodded the lot prior to 11/22/16.				
Lot 316	Silt Fence	Lot 316		Removed	
<b>Current Condition:</b>	Removed - THC sodded the lot prior to inspection on 9/19/17.				
Lot 319	Silt Fence	Lot 319		Removed	
<b>Current Condition:</b>	Removed-Sherwood Homes sodded the lot prior to 9/13/2016.				
Lot 324	Silt Fence	Lot 324		Removed	
<b>Current Condition:</b>	Removed-Sherwood Homes sodded the lot prior to inspection on 7/8/15.				
Lot 325	Silt fence	Lot 325		Removed	
<b>Current Condition:</b>	Removed- Lot was sodded by Sherwood Homes prior to 11/17/2015.				
Lot 326	Silt Fence	Lot 326		Removed	
<b>Current Condition:</b>	Removed-Sherwood Homes sodded the lot prior to inspection on 7/16/15.				
Lot 328	Silt Fence	Lot 328		Removed	
<b>Current Condition:</b>	Removed-Oakwood Homes removed silt fence and sodded the lot prior to inspection on 5/4/15.				
Lot 329	Silt Fence	Lot 329		Removed	
<b>Current Condition:</b>	Removed - Regency Homes sodded the lot prior to inspection on 5/9/18.				
Lot 336	Temp. Seeding	Lot 336		Removed	
<b>Current Condition:</b>	Removed- As of 8/18/2015, lot has filled in and temp seeding is not needed.				
Lot 336	Silt Fence	Lot 336		Removed	
<b>Current Condition:</b>	Removed- Sherwood Homes sodded the lot prior to 10/6/16.				
Lot 337	Silt Fence	Lot 337		Removed	
<b>Current Condition:</b>	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	
<b>Current Condition:</b>	Removed- the Home Company sodded the lot prior to 11/1/16.				
Pod F	Silt Fence	Lots 426-454		Removed	
<b>Current Condition:</b>	Removed-Lots 427 and 428 were sodded prior to 12/1/2015 by Celebrity Homes.				
Pod G	Silt Fence	Lots 404-425		Removed	
<b>Current Condition:</b>	Removed-Lot 404 was sodded prior to 6/29/2016. Pod has been built out.				
Pod H	Silt Fence	Lots 455-473		Removed	
<b>Current Condition:</b>	Removed- Lot 460 was sodded by Celebrity Homes prior to the inspection on 4/25/2015.				
Pod I	Silt Fence	Lots 346-355		Removed	
<b>Current Condition:</b>	Removed-Lot 355 was sodded prior to 8/18/2015 by Celebrity Homes.				
Pod J	Silt Fence	Lots 381-394		Removed	
<b>Current Condition:</b>	Removed - Pod J is built out as of 8/12/2016.				
Pod K	Silt Fence	Lots 372-403		Removed	
<b>Current Condition:</b>	Removed - Celebrity Homes sodded lot 379 prior to 11/22/16 completing the pod.				
Pod L	Silt Fence	Lots 371-356		Removed	
<b>Current Condition:</b>	Removed - Celebrity Homes sodded lots 364, and 361-359 completing the pod.				
SB 1	Sediment Basin	Outlot "M"	In Place	Active	No
<b>Current Condition:</b>	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 2	Sediment Basin	Outlot "L"	11/17/2009	Active	No
<b>Current Condition:</b>	Good Condition- 15% Filled - JC Excavating installed prior to inspection on 11/18/09.				
SB 3	Sediment Basin	School Lot 165	In Place	Active	No
<b>Current Condition:</b>	Good Condition-20% Filled -Cleaned out 02/06				
<b>Clearwater Falls Trail</b>					
CD 1	Check Dam	Northern side of site	10/2/2017	Active	No
<b>Current Condition:</b>	Good Condition - 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	Active	No
<b>Current Condition:</b>	Good Condition -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	Active	Yes

<b>Current Condition:</b>	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. Not done as of the last inspection. <b>John Navarro was reminded on 6/22/18.</b>				
SF 1	Silt Fence	Southern side of site		Removed	
<b>Current Condition:</b>	Removed - BMP no longer being recommended because of stabilization of area.				
SF 2	Silt Fence	Southern side of site		Removed	
<b>Current Condition:</b>	Removed - BMP no longer being recommended because of stabilization of area.				
SF 3	Silt Fence	Southern side of site		Removed	
<b>Current Condition:</b>	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	No
<b>Current Condition:</b>	Pending - Due to establishment of vegetation, silt fence will no longer be recommended. E&A will monitor.				
IP 1	Inlet Protection	Southern side of site		Removed	
<b>Current Condition:</b>	Removed - BMP no longer being recommended because of stabilization of area.				
STR	Street Cleaning	streets	5/1/2007	Active	No
<b>Current Condition:</b>	Good Condition- Pacesetter Homes scraped up dirt from the street in front of lot 297 prior to 6/19/17. Pacesetter 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 trail entrance and park was cleaned prior to inspection on 5/9/18.				
SWPPP Sign	Signs	1 sign on site	8-19-08	Active	No
<b>Current Condition:</b>	Good Condition: 48th and Birchwood Drive				
<b>Inspector Signature:</b>				<b>Reviewed By:</b> 