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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: Aaron Tulley | | Stage |
| Project Name: | Clearwater Falls/Clearwater Falls Trail CSW-201701144 | 3 |
| For Week Ending: | 1/11/2019 | |
| Project Location: | 48th and Fairview Road- Bellevue, NE (Sarpy County) | 68123 |

| | | | | |
|----------------------|------|------|--|--|
| Grading: | 100% | 100% | | |
| Sanitary Sewer: | 100% | N/A | | |
| Storm Sewer: | 100% | 100% | | |
| Paving: | 100% | 100% | | |
| Seeding: | 100% | 99% | | |
| Utilities: | 100% | N/A | | |
| Overall Development: | 99% | 99% | | |

| 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 | 0.00" | | | |
| Tuesday | 0.00" | | | |
| Wednesday | 0.00" | | | |
| Thursday | 0.00" | 12/26/19 | Cloudy 39/22 | |
| Friday | 0.02" | | | |
| Saturday | 0.81" | | | |
| | | | | Week 3 |
| Sunday: | 0.24" | | | |
| Monday | 0.00" | | | |
| Tuesday | 0.00" | 12/31/19 | Partly Cloudy 39/26 | |
| Wednesday | 0.00" | | | |
| Thursday | 0.00" | | | |
| Friday | 0.00" | | | |
| Saturday | 0.00" | | | |
| | | | | Week 4 |
| Sunday: | 0.00" | | | |
| Monday | 0.00" | | | |
| Tuesday | 0.00" | | | |
| Wednesday | 0.00" | | | |
| Thursday | 0.00" | | | |
| Friday | 0.14" | | | |
| 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. Grading has begun at Clearwater Falls Trail for installation of Storm Sewer on N side of trail. Grading has ceased for storm sewer on N side of trail. | | | | | |
| 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. Grading has begun at Clearwater Falls Trail for installation of Storm Sewer on N side of trail. Grading has ceased for storm sewer on N side of trail. | | | | | |
| 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); 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). Area surrounding new sidewalk in NE portion of site has been seeded and matted (7/5/18). NW corner of site has been seeded and matted (7/5/18). | | | | | |
| 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: | | | | | |
| Comments: | | | | | |
| Home Construction is inactive as of the last inspection. There is currently 0 active lots and 2 vacant lots (147 & 163) throughout the development. | | | | | |
| Outlot J was disturbed when construction equipment used it to access lot 279. | | | | | |
| Findings / Corrective Actions (Date): | | | | | |
| Findings / Corrective Actions (Date): | | | | | |
| 1.) No maintenance is required in the BMP Section. | | | | | |
| 2.) Some re-seeding is necessary throughout the Clearwater Falls Trail project. | | | | | |
| a. The area around the area inlet needs to be reseeded and matted. | | | | | |
| b. The erosion in the middle of the trail area needs to be backfilled and reseeded/matted | | | | | |
| c. The northwest corner of the trail needs to be reseeded/matted | | | | | |
| d. The western portion of the trail needs to be overseeded. | | | | | |
| - Commercial Seeding was informed to complete as conditions allow on 3/19/19. Not done as of the last inspection. Commercial Seeding was reminded on 5/13/19, 6/5/19. Commercial Seeding completed the pending maintenance prior to inspection on 6/24/19. E&A will continue to monitor for seed growth. Overseeding is required in all areas. Commercial Seeding was informed to complete ASAP on 9/26/19. E&A will monitor. Not done as of the last inspection. | | | | | |
| 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 81 | Individual Lot | Lot 81 | | Removed | |
| Current Condition: | Removed - Pacesetter Homes sodded the lot prior to inspection on 9/30/19. | | | | |
| Lot 297 | Individual Lot | Lot 297 | | Removed | |
| Current Condition: | Removed - Pacesetter Homes sodded the lot prior to inspection on 8/12/19. | | | | |
| 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. | | | | |

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|--|--|-----------------------|--|---------|----|
| 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 - 25% 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 |
| Current Condition: | 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 |
| Current Condition: | Good Condition - 20% Filled - Cleaned out 02/06 | | | | |
| Clearwater Falls Trail | | | | | |
| CD 1 | Check Dam | Northern side of site | 10/2/2017 | Active | No |
| Current Condition: | Good Condition - John Navarro installed the check dam prior to inspection on 12/18/17. | | | | |
| EM 1 | Erosion Control Matting | East side of site | | Removed | |
| Current Condition: | Removed - Due to establishment of vegetation, erosion control matting will no longer be inspected as a BMP. | | | | |
| EM 2 | Erosion Control Matting | West side of site | | Removed | |
| Current Condition: | Removed - Due to establishment of vegetation, erosion control matting will no longer be inspected as a BMP. | | | | |
| SF 1 | Silt Fence | Southern side of site | | Removed | |
| Current Condition: | Removed - BMP no longer being recommended because of stabilization of area. | | | | |
| SF 2 | Silt Fence | Southern side of site | | Removed | |
| Current Condition: | Removed - BMP no longer being recommended because of stabilization of area. | | | | |
| SF 3 | Silt Fence | Southern 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 | | Removed | |
| Current Condition: | Removed - BMP no longer being recommended because of stabilization of area. | | | | |
| IP 1 | Inlet Protection | Southern side of site | | Removed | |
| Current Condition: | Removed - BMP no longer being recommended because of stabilization of area. | | | | |
| STR | Street Cleaning | streets | 5/1/2007 | Active | No |
| Current Condition: | 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. Dostal Construction cleaned the streets prior to inspection on 6/4/19. Pacesetter Homes cleaned the street in front of Lot 81 prior to the 9/30/19 inspection. | | | | |
| SWPPP Sign | Signs | 1 sign on site | 8-19-08 | Active | No |
| Current Condition: | Good Condition - 48th and Birchwood Drive | | | | |
| Inspector Signature:  | | | Reviewed By:  | | |