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Engineering Answers

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E & A CONSULTING GROUP, INC.
 ENGINEERING · PLANNING · ENVIRONMENTAL & FIELD SERVICES

E&A- P2005.198.000

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| Inspector: Patrick Sechser | | Stage 2 |
| Project Name: | Clearwater Falls NER110573 | |
| For Week Ending: | 12/13/2014 | |
| Project Location: | 48th and Fairview Road- Bellevue, NE (Sarpy County) | 68123 |

| | | | | |
|----------------------|------|--|--|--|
| Grading: | 100% | | | |
| Sanitary Sewer: | 100% | | | |
| Storm Sewer: | 100% | | | |
| Paving: | 100% | | | |
| Seeding: | 100% | | | |
| Utilities: | 98% | | | |
| Overall Development: | 66% | | | |

| RAIN FALL AMOUNTS | Amount in tenths | Date inspected | Weather Conditions | |
|-------------------|------------------|----------------|--------------------|---------------|
| | | | | Week 1 |
| Sunday: | 0.01" | | | |
| Monday | 0.00" | | | |
| Tuesday | 0.00" | | | |
| Wednesday | 0.05" | | | |
| Thursday | 0.00" | | | |
| Friday | 0.00" | | | |
| Saturday | 0.00" | | | |
| | | | | Week 2 |
| Sunday: | 0.00" | | | |
| Monday | 0.00" | | | |
| Tuesday | 0.00" | 12/02/14 | Sunny 43/13 | |
| 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 | 0.00" | | | |
| Friday | 0.00" | | | |
| 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?

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.

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.

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).

Comments:
 Comments:
 Celebrity Homes is actively building in the South part of the development. Home Construction is active in the North part of the development by various builders.

Findings / Corrective Actions (Date):

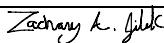
Findings / Corrective Actions (Date):

1.) Some maintenance is required in the BMP Section.

| Unique Name | Type | Location | Projected Install Date | Status | Maintenance |
|---------------------------|--|--------------------------|------------------------|---------|-------------|
| CE 1 | Construction Entrance | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | Removed-Entrance area was removed and concrete removed by Celebrity Homes prior to the inspection on 12/3/2013 for sidewalk installation. | | | | |
| CW 3 | Concrete Washout | Lot 348 | | Removed | |
| Current Condition: | Removed- Bob w/ Celebrity Homes removed washout pit prior to inspection on 8/27/2013. | | | | |
| CW 4 | Concrete Washout | Lot 414 | | Removed | |
| Current Condition: | Removed-Washout pit was removed by Celebrity Homes prior to the inspection on 4/8/2014. | | | | |
| CW 5 | Concrete Washout | Lot 387 | 5/12/2014 | Active | No |
| Current Condition: | Good condition- Celebrity Homes cleaned out the washout pit prior to the inspection on 12/2/2014. | | | | |
| Lot 15 | Silt Fence | Lot 15 | | Removed | |
| Current Condition: | Removed- Horizon Homes sodded the lot prior to the inspection on 11/18/2014. | | | | |
| Lot 26 | Silt Fence | Lot 26 | | Removed | |
| Current Condition: | Removed-Lot was sodded by Horizon Homes prior to the inspection on 10/29/2013. | | | | |
| Lot 27 | Silt Fence | Lot 27 | | Removed | |
| Current Condition: | Removed-Lot was sodded by Horizon Homes prior to the inspection on 10/29/2013. | | | | |
| Lot 30 | Silt Fence | Lot 30 | | Removed | |
| Current Condition: | Removed- Horizon Homes removed the SF, cleaned up the dirt and sodded the lot prior to the 4/28/2014 inspection. | | | | |
| Lot 54 | Silt Fence | Lot 54 | 6/18/2014 | Active | Yes |
| Current Condition: | Active- Due to the removal of the perimeter SF, sod is needed. Homeowner Nick Peterson was informed to complete sod install by 12/2/2014 permitting weather conditions. Not completed as of the last inspection. | | | | |
| Lot 55 | Silt Fence | Lot 55 | | Removed | |
| Current Condition: | Removed-Lot was sodded prior to inspection on 7/16/13 by The Home Company. | | | | |
| Lot 56 | Silt Fence | Lot 56 | | Removed | |
| Current Condition: | Removed-The lot was sodded by the home owner prior to the inspection on 5/22/2014. | | | | |
| Lot 57 | Silt Fence | Lot 57 | 8/11/2014 | Active | Yes |
| Current Condition: | Fair Condition-Silt fence was installed on the North side of the lot by Horizon Homes prior to inspection on 8/21/14. 1.) SF is needed in the rear of the lot due to the new excavation. 2.) SF needs to be entrenched on the North side of the lot. 3.) SF is ripped on the side of the lot as of inspection on 9/24/14. 1.) Horizon Homes was requested to install silt fence by 8/11/14. Not done as of last inspection. Horizon Homes was reminded again on 9/11/2014, 11/6/2014. 2.) Horizon Homes was requested to complete silt fence maintenance by 9/17/2014. Not done as of last inspection. Horizon Homes was reminded again on 11/6/2014. 3.) Horizon Homes was requested to repair the ripped SF by 10/1/14. Not done as of last inspection. Horizon Homes was reminded again on 11/6/2014. | | | | |
| Lot 72 | Silt Fence | Lot 72 | | Removed | |
| Current Condition: | Removed-Lot was sodded by Horizon Homes prior to the inspection on 7/15/2014. | | | | |
| Lot 76 | Silt Fence | Lot 76 | 6/27/2014 | Active | No |
| Current Condition: | Good condition- Proline Homes installed SF in the rear and side of the lot prior to the inspection on 6/27/2014. | | | | |
| Lot 80 | Silt Fence | Lot 80 | 8/23/2014 | Active | Yes |
| Current Condition: | Fair Condition-Silt fence was installed on the North side of the lot by Horizon Homes prior to inspection on 8/23/14. SF is needed in the rear of the lot. Horizon Homes was requested to install silt fence by 9/17/2014. Not done as of last inspection. Horizon Homes was reminded again on 11/6/2014. | | | | |
| Lot 132 | Silt Fence | Lot 132 | 8/11/2014 | Active | No |
| Current Condition: | Good condition- Regency Homes installed erosion eels in the front corner of the lot prior to the inspection on 12/2/2014. | | | | |
| Lot 155 | Silt Fence | Lot 155 | 8/11/2014 | Active | No |
| Current Condition: | Good condition- Regency Homes repaired SF in the rear of the lot prior to the inspection on 12/2/2014. | | | | |
| Lot 255 | Silt Fence | Lot 255 | 8/4/2014 | Active | No |
| Current Condition: | Active- Due to the vegetated buffer behind the lot, SF is no longer needed as of the inspection on 11/5/2014 by Legacy Homes. | | | | |
| Lot 258 | Individual Lot | Lot 258 | 10/14/2014 | Pending | Yes |

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|---------------------------|--|---------|------------|---------|-----|
| Current Condition: | Pending-Charleston Homes removed the stockpile prior to the inspection on 11/5/2014. SF or wattles are needed in the front of the lot. Charleston Homes was requested to install a BMP by 11/12/2014. Not completed as of the last inspection. | | | | |
| Lot 259 | Individual Lot | Lot 259 | 10/14/2014 | Pending | Yes |
| Current Condition: | Pending-Charleston Homes removed the stockpile prior to the inspection on 11/5/2014. SF or wattles are needed in the front of the lot. Charleston Homes was requested to install a BMP by 11/12/2014. Not completed as of the last inspection. | | | | |
| Lot 264 | Misc/other | lot 264 | | Removed | |
| Current Condition: | Removed- Lot was sodded by Proline Homes prior to the inspection on 8/4/2014. | | | | |
| Lot 268 | Misc/other | Lot 268 | | Removed | |
| Current Condition: | Removed-Sherwood Homes sodded the lot prior to the inspection on 10/15/2013. | | | | |
| Lot 271 | Misc/other | Lot 271 | | Removed | |
| Current Condition: | Removed-The lot was sodded by the Home Company prior to the inspection on 5/22/2014. | | | | |
| Lot 277 | Silt Fence | Lot 277 | | Removed | |
| Current Condition: | Removed-Dumpster and PP were removed on site prior to 7/30/2013 by the Home Company due to sod installation. | | | | |
| Lot 278 | Silt Fence | Lot 278 | | Removed | |
| Current Condition: | Removed-Charleston Homes sodded the lot prior to the inspection on 7/15/2014. SF check was moved to lot 279. | | | | |
| Lot 279 | Silt Fence | Lot 279 | 7/15/2014 | Active | Yes |
| Current Condition: | Fair Condition SF is full in the SE corner as of inspection on 10/23/14. Charleston Homes was requested to clean out the SF by 10/30/14. Not completed as of the last inspection. | | | | |
| Lot 283 | Silt fence | Lot 283 | | Removed | |
| Current Condition: | Removed- Lot was sodded by Sherwood Homes prior to the inspection on 6/18/2014. | | | | |
| Lot 286 | Silt Fence | Lot 286 | 12/2/2014 | Active | Yes |
| Current Condition: | Fair Condition- Sherwood Homes installed SF in the rear of the lot prior to the inspection on 12/2/2014. Dirt needs to be removed from the ROW. Sherwood Homes was informed to remove the dirt from the ROW by 12/9/2014. | | | | |
| Lot 287 | Silt fence | Lot 287 | | Removed | |
| Current Condition: | Tom w/ The Home Company installed sod prior to the inspection on 7/30/2013. | | | | |
| Lot 304 | Misc/other | Lot 304 | | Removed | |
| Current Condition: | Removed- Lot was sodded by Proline Homes prior to the inspection on 7/5/2014. | | | | |
| Lot 305 | Silt Fence | Lot 305 | | Removed | |
| Current Condition: | Removed-Silt fence was removed from the lot prior to inspection on 7/8/13 by Legacy Homes due to sidewalk construction being active in the area. | | | | |
| Lot 309 | Silt Fence | Lot 309 | | Removed | |
| Current Condition: | Removed-The lot was sodded by Sherwood Homes prior to inspection on 8/21/14. | | | | |
| Lot 311 | Silt Fence | Lot 311 | | Removed | |
| Current Condition: | Removed-Heavican Homes sodded the lot prior to the inspection on 8/13/2013. | | | | |
| Lot 312 | Silt Fence | Lot 312 | | Removed | |
| Current Condition: | Removed-Banyan Homes sodded the lot and removed SF in the rear prior to the inspection on 4/28/2014. | | | | |
| Lot 313 | Silt Fence | Lot 313 | | Removed | |
| Current Condition: | Removed-Lot 313 was sodded by Showcase Homes prior to inspection on 8/27/2013. SF was removed prior to inspection on 9/11/2013 by Showcase Homes. | | | | |
| Lot 322 | Silt Fence | Lot 322 | | Removed | |
| Current Condition: | Removed- Lot was sodded by Regency Homes prior to the inspection on 6/18/2014. | | | | |
| Lot 323 | Misc/other | Lot 323 | | Removed | |
| Current Condition: | Removed-Lot was sodded by Sherwood Homes prior to the inspection on 10/29/2013. | | | | |
| Lot 324 | Silt Fence | Lot 324 | 8/30/2014 | Active | No |
| Current Condition: | Good Condition-Sherwood Homes retied the SF prior to inspection on 10/14/14. | | | | |
| Lot 328 | Misc/other | Lot 328 | | Removed | |
| Current Condition: | Removed-Sherwood Homes sodded the lot prior to inspection on 9/24/14. | | | | |
| Lot 331 | Silt Fence | Lot 331 | | Removed | |
| Current Condition: | Removed-Lot was sodded by Sherwood Homes prior to the inspection on 11/20/2013. | | | | |
| Lot 333 | Silt Fence | Lot 333 | | Removed | |
| Current Condition: | Removed- All of the torn and down silt fence was removed along the perimeter of the lot prior to inspection on 8/27/2013 by Regency Homes. Gator guards were removed along the perimeter and the house was sodded prior to inspection on 9/1/2013. | | | | |
| Lot 335 | Individual Lot | Lot 335 | | Removed | |
| Current Condition: | Removed-Feldhacker Custom Homes sodded the lot prior to inspection on 10/23/14. | | | | |
| Lot 337 | Silt Fence | Lot 337 | 8/30/2014 | Active | Yes |

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|---------------------------|---|--------------------------|------------|---------|-----|
| Current Condition: | Fair condition- Sherwood Homes removed the stockpile from the ROW prior to inspection on 10/23/14. SF needs repaired on the N end due to power installation as of inspection on 10/23/14. Sherwood Homes was requested to repair SF by 10/30/14. Not completed as of the last inspection. Sherwood Homes was reminded again on 12/2/2014. | | | | |
| Lot 338 | Individual Lot | Lot 338 | | Removed | |
| Current Condition: | Removed- THC sodded the lot prior to the inspection on 11/5/2014. | | | | |
| Lot 339 | Misc/other | Lot 339 | | Removed | |
| Current Condition: | Removed-Lot 338 items will be removed for pending home construction on lot 338 as of inspection on 10/29/2013. Seeding is no longer needed. | | | | |
| Lot 341 | Silt Fence | Lot 341 | | Removed | |
| Current Condition: | As of inspection on 6/15/13 the silt fence was removed to fine grade the lot by Castlebridge Homes. The lot was sodded prior to inspection on 6/23/13 by Castlebridge Homes. | | | | |
| Lot 342 | Silt Fence | Lot 342 | | Removed | |
| Current Condition: | Removed-Paradise Homes sodded the lot prior to inspection on 8/21/14. | | | | |
| Lot 343 | Misc/other | Lot 343 | | Removed | |
| Current Condition: | Removed- Charles Thomas Homes sodded the lot prior to the inspection on 6/2/2014. | | | | |
| Outlot D | Misc/other | Outlot D | | Removed | |
| Current Condition: | The disturbed area around the inlet has filled in as of inspection on 7/8/13. | | | | |
| Pod A | Silt Fence | Lots 225-254 | | Removed | |
| Current Condition: | Removed- Lot 236 was sodded prior to the inspection on 11/5/2014 by Celebrity Homes. Pod A is completed due to the completion of homes. | | | | |
| Pod B | Silt Fence | Lots 212-224 | | Removed | |
| Current Condition: | All lots in this Pod have been sodded as of inspection on 6/25/11. | | | | |
| Pod C | Silt Fence | Lots 175-183; 474-480 | | Removed | |
| Current Condition: | Silt fence on lots 474-480 have been removed due to the lots being sodded prior to inspection on 10/14/12 by Dave Hausman/Celebrity Homes. All other remaining lots in this pod has been sodded. | | | | |
| Pod D | Silt Fence | Lots 199-210 | | Removed | |
| Current Condition: | All remaining lots in this pod have been sodded prior to inspection on 9/28/12 by Dave Hausman/Celebrity Homes. | | | | |
| Pod E | Silt Fence | Lots 184-198 | | Removed | |
| Current Condition: | Lot 194 was sodded prior to inspection on 5/21/13 by Dave Hausman/Celebrity Homes. All lots in this Pod have been built out. | | | | |
| Pod F | Silt Fence | Lots 426-454 | 11/8/2012 | Active | No |
| Current Condition: | Good Condition-Celebrity Homes removed the dirt piles from the ROW on lots 430-431, installed SF in the rear of lots 430-431 and cleaned out the SF behind lot 430 prior to the inspection on 11/18/2014. | | | | |
| Pod G | Silt Fence | Lots 404-425 | 4/8/2014 | Active | Yes |
| Current Condition: | Fair condition- Celebrity Homes sodded lot 420 prior to the inspection on 12/2/2014. 1.) Damaged SF needs to be repaired on lot 421. 2.) SF needs to be reinstalled on the front sides of lots 422 and 421. 3.) Lot 419 needs to be stabilized or sodded. 4.) Lot 414 needs to be stabilized or erosion eels installed along the curb line. 1.) Celebrity Homes was requested to complete maintenance by 11/25/2014. Not completed as of the last inspection. CH was reminded again on 12/2/2014. 2.) Celebrity Homes was informed to complete by 12/9/2014. 3.) Celebrity Homes was informed to complete by 12/9/2014. 4.) Celebrity Homes was informed to complete by 12/9/2014. | | | | |
| Pod H | Silt Fence | Lots 455-473 | 12/4/2012 | Active | Yes |
| Current Condition: | Fair condition- Erosion eels need to be re-installed in the front of the lot. Celebrity Homes was informed to complete by 12/9/2014. | | | | |
| Pod I | Silt Fence | Lots 346-355 | 11/18/2014 | Active | No |
| Current Condition: | Good condition-Celebrity Homes removed the dirt pile from the front of lot 355 prior to the inspection on 11/18/2014. | | | | |
| Pod J | Silt Fence | Lots 381-394 | 11/18/2014 | Active | Yes |
| Current Condition: | Fair condition- 1.) Downed SF needs to be removed from the front of lot 389. 2.) SF needs to be reinstalled and extended to the east on the south side of lot 388. 1.) Celebrity Homes was informed to complete by 12/9/2014. 2.) Celebrity Homes was informed to complete by 12/9/2014. | | | | |
| SB 1 | Sediment Basin | N41d00m00s W96d00m00s | In Place | Active | No |
| Current Condition: | Good Condition-30% Filled. Vegetation was removed from the basin and the slopes were seeded and matted by the SID prior to inspection on 10/23/14. | | | | |
| SB 2 | Sediment Basin | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | Basin was removed and the outlot B area was seeded prior to inspection on 7/12/11 by Jochim. | | | | |

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|-----------------------------|--|--------------------------|---|---------|----|
| SB 3 | Sediment Basin | N41d00m00s W96d00m00s | In Place | Active | No |
| Current Condition: | Good Condition-20% Filled -Cleaned out 02/06 | | | | |
| SB 4 | Sediment Basin | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | Removed per Hill-Farrell construction. | | | | |
| SB 5 | Sediment Basin | N41d00m00s W96d00m00s | 11/17/2009 | Active | No |
| Current Condition: | Good Condition- 15% Filled - JC Excavating installed prior to inspection on 11/18/09. | | | | |
| SF 1 | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | silt fence was removed by Boyer Young due to dense vegetation and lack of construction in this area. | | | | |
| SF 2 | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | Removed for grading on 8/4/08 | | | | |
| SF 3 | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | Removed due to home construction. | | | | |
| SF 4 | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | Removed due to home construction. | | | | |
| SF 5 | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | Removed due to home construction. | | | | |
| SF 6 | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | Removed due to road construction | | | | |
| SF 7 | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | Silt fence was removed prior to inspection on 6/23/13 by Boyer Young. | | | | |
| SF 8 | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | Removed-Commercial Seeding removed the SF prior to inspection on 10/23/14. | | | | |
| SF 9 | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | As of inspection on 8/6/12 there is active home construction on the lots were this silt fence is located, therefore the maintenance on this silt fence is being moved to BMP Pod E and it will be the responsibility of the builder. | | | | |
| SF 10 | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | silt fence was removed by Boyer Young due to dense vegetation and lack of construction in this area. | | | | |
| SF 11 | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | silt fence was removed by Boyer Young due to dense vegetation and lack of construction in this area. | | | | |
| SF 12 | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | Removed due to landscaping. | | | | |
| SF A | Silt Fence | Lots 474-480 | | Removed | |
| Current Condition: | All this maintenance has been moved to Pod C in the BMP section. | | | | |
| SF B | Silt Fence | N41d00m00s W96d00m00s | | Removed | |
| Current Condition: | Silt fence was removed prior to inspection on 5/10/13 by Dave Hausman/Celebrity Homes. | | | | |
| STR | Street Cleaning | N41d00m00s W96d00m00s | 5/1/2007 | Active | No |
| Current Condition: | Good Condition-Celebrity Homes street cleaned in front of lots 419 and 465 prior to the inspection on 11/18/2014. | | | | |
| SWPPP Sign | Signs | 1 sign on site | 8-19-08 | Active | No |
| Current Condition: | Good Condition: 48th and Birchwood Drive | | | | |
| Inspector Signature: |  | | Reviewed By:  | | |