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

*Engineering Answers*

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

**E&A- P2015.717.002**

|                            |   |              |
|----------------------------|---|--------------|
| Inspector: Matthew Vanicek |   | Stage        |
| Project Name:              | <b>Bennington Storage<br/>CSW-201701311</b>                   | 3            |
| For Week Ending:           | <b>4/13/2019</b>  |              |
| Project Location:          | <b>12616 N. 156th Street, Bennington, NE (Douglas County)</b> | <b>68007</b> |

|                      |      |  |  |  |
|----------------------|------|--|--|--|
| Grading:             | 100% |  |  |  |
| Sanitary Sewer:      | 100% |  |  |  |
| Storm Sewer:         | 100% |  |  |  |
| Paving:              | 100% |  |  |  |
| Seeding:             | 90%  |  |  |  |
| Utilities:           | 100% |  |  |  |
| Overall Development: | 95%  |  |  |  |

| RAIN FALL AMOUNTS | Amount in tenths | Date inspected | Weather Conditions  |               |
|-------------------|------------------|----------------|---------------------|---------------|
|                   |                  |                |                     | <b>Week 1</b> |
| Sunday:           | 0.00"            |                |                     |               |
| Monday            | 0.00"            |                |                     |               |
| Tuesday           | 0.28"            | 3/12/2019      | 44/34 Rain          |               |
| Wednesday         | 0.81"            |                |                     |               |
| Thursday          | 0.09"            |                |                     |               |
| Friday            | 0.00"            | 3/15/2019      | 46/30 Partly Cloudy |               |
| Saturday          | 0.00"            |                |                     |               |
|                   |                  |                |                     | <b>Week 2</b> |
| Sunday:           | 0.00"            |                |                     |               |
| Monday            | 0.00"            |                |                     |               |
| Tuesday           | 0.05"            |                |                     |               |
| Wednesday         | 0.00"            |                |                     |               |
| Thursday          | 0.00"            |                |                     |               |
| Friday            | 0.00"            |                |                     |               |
| Saturday          | 0.00"            |                |                     |               |
|                   |                  |                |                     | <b>Week 3</b> |
| Sunday:           | 0.26"            |                |                     |               |
| Monday            | 0.00"            |                |                     |               |
| Tuesday           | 0.00"            |                |                     |               |
| Wednesday         | 0.00"            |                |                     |               |
| Thursday          | 0.00"            |                |                     |               |
| Friday            | 0.24"            |                |                     |               |
| Saturday          | 0.00"            |                |                     |               |
|                   |                  |                |                     | <b>Week 4</b> |
| Sunday:           | 0.00"            |                |                     |               |
| Monday            | 0.00"            |                |                     |               |
| Tuesday           | 0.04"            |                |                     |               |
| Wednesday         | 0.06"            |                |                     |               |
| Thursday          | 0.11"            |                |                     |               |
| Friday            | 0.00"            |                |                     |               |
| Saturday          | 0.00"            |                |                     |               |
|                   |                  |                |                     | <b>Week 5</b> |
| Sunday:           | 0.04"            |                |                     |               |
| Monday            | 0.00"            |                |                     |               |
| Tuesday           | 0.00"            |                |                     |               |
| Wednesday         | 0.12"            |                |                     |               |
| Thursday          | 0.00"            | 4/11/2019      | 53/34 Snow          |               |
| Friday            | 0.00"            |                |                     |               |
| Saturday          | 0.00"            |                |                     |               |

**Complaints:**

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

**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 scheduled for grading in the next 2 weeks (4/28/17). Site stripped (5/17/17). Grading was underway (6/05/17). Grading was completed prior to the inspection on 6/30/17. Minor grading to be completed at a later time. Grading was active on the southern portion of the site (7/2/18). The southeast portion of the sites grading was completed (7/18/18). The post construction basins were cleaned out (9/18/18). The area west of the storage units was graded for new construction (10/9/18).

**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 scheduled for grading in the next 2 weeks (4/28/17). Site stripped (5/17/17). Grading was underway (6/05/17). Grading was completed prior to the inspection on 6/30/17. Minor grading to be completed at a later time. Grading was active on the southern portion of the site (7/2/18). The southeast portion of the sites grading was completed (7/18/18). The post construction basins were cleaned out (9/18/18). The area west of the storage units was graded for new construction (10/9/18).

**What temporary or permanent stabilization measures listed in this section are being implemented?**

Existing Vegetation (4/28/17). Prairie Construction seeded the site (8/16/17). Prairie Construction installed erosion control matting on the northeast corner of the site (8/16/17). Prairie Construction installed erosion control matting on the south, east, and northern borders of the site BMPs EM1-EM5 (8/21/17). The area north of Building A was seeded and matted (12/13/17). The area North of building C was seeded and matted (1/10/18). The area along the entrance to the old storage units was seeded and matted (2/20/18). The inside slopes of the sediment basin were seeded and matted (4/18/19). The slopes to the east and south of the sediment basin were seeded and matted (8/10/18). The area around CS 1 was seeded (8/15/18). The area around both post construction basins and all storage units was seeded and matted (9/18/18).

**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:**

The site is currently inactive for construction. The storage units are open and operating.



**Findings / Corrective Actions (Date):**

**Findings / Corrective Actions (Date):**

- 1.) Some maintenance required in BMP Section.
- 2.) The silt fence check around the rip rap adjacent to 156th St. can be removed. Prairie Construction was informed to complete by 11/12/18. Not done as of the last inspection. **Prairie Construction was reminded on 3/15/19, 4/11/19**
- 3.) The ROW along the newly paved road leading to the radio tower needs to be stabilized. Commercial Seeding was informed to complete by 12/3/18. Not done as of the last inspection due to heavy snow. The inspector will remind Commercial Seeding when the seeding window opens in the spring of 2019. **Geoff McGregor was reminded on 3/18/19, 4/11/19**
- 4.) The disturbed area at the western end of the site below ST 1 and ST 2 needs to be stabilized. Geoff McGregor was informed by phone to complete by 3/29/19. Not done as of the last inspection. **Geoff McGregor was reminded on 4/11/19.**

| Unique Name               | Type   | Location                | Projected Install Date | Status  | Maintenance |
|---------------------------|--|-------------------------|------------------------|---------|-------------|
| CE 1                      | Construction Entrance  | N. 156th Street         |                        | Removed |             |
| <b>Current Condition:</b> | Removed - The temporary construction entrance was removed prior to the inspection on 7/16/18.  |                         |                        |         |             |
| CE 2                      | Construction Entrance  | N. 156th Street         |                        | Removed |             |
| <b>Current Condition:</b> | Removed - Prairie Construction paved the entrance prior to the inspection on 5/14/18.  |                         |                        |         |             |
| CW 1                      | Concrete Washout   | On Site                 | 8/9/2017               | Pending | No          |
| <b>Current Condition:</b> | Pending - The paving has been completed for the road improvement to the cell tower as of the inspection on 11/5/18. The inspector will monitor the need for the washout to be installed. |                         |                        |         |             |
| D 1                       | Diversion  | North side of Site      |                        | Removed |             |
| <b>Current Condition:</b> | Removed - The diversion has silted in, but due to heavy vegetation is no longer needed as of the inspection on 5/22/18.  |                         |                        |         |             |
| D 2                       | Diversion  | South East site of Site |                        | Removed |             |
| <b>Current Condition:</b> | Removed - The diversion has silted in, but due to heavy vegetation is no longer needed as of the inspection on 5/22/18.  |                         |                        |         |             |
| D 3                       | Diversion  | South side of site      |                        | Removed |             |
| <b>Current Condition:</b> | Removed - Due to the storm sewer being installed the diversion is no longer needed as of the inspection on 5/22/18.  |                         |                        |         |             |
| D 4                       | Diversion  | North of SB 2           |                        | Removed |             |

|                           |   |                           |           |         |     |
|---------------------------|---|---------------------------|-----------|---------|-----|
| <b>Current Condition:</b> | Removed - Due to the storm sewer being installed the diversion is no longer needed as of the inspection on 4/18/19.   |                           |           |         |     |
| EC 1                      | Erosion Control<br>Transition Matting   | Outfall of SB 2           | 3/26/2018 | Pending | Yes |
| <b>Current Condition:</b> | Pending -<br>The erosion control matting needs to be installed.<br>Prairie Construction was informed to complete by 3/26/18. Not done as of the last inspection. Prairie Construction was reminded on 5/4/18, 5/23/18, 6/22/18, 7/30/18, 8/22/18, 9/18/18, 11/7/18, 3/15/19, 4/11/19  |                           |           |         |     |
| EM 1                      | Erosion Control<br>Matting  | SE corner of site         | 3/26/2018 | Active  | No  |
| <b>Current Condition:</b> | Good Condition - Prairie Construction seeded and matted the slopes around SB 1 prior to inspection on 8/10/18.  |                           |           |         |     |
| EM 2                      | Erosion Control<br>Matting  | South side of site        | 8/21/2017 | Active  | No  |
| <b>Current Condition:</b> | Good Condition - Prairie Construction installed erosion control matting prior to the inspection on 8/21/17.   |                           |           |         |     |
| EM 3                      | Erosion Control<br>Matting  | SW corner of site         | 8/21/2017 | Active  | No  |
| <b>Current Condition:</b> | Good Condition - Prairie Construction installed erosion control matting prior to the inspection on 8/21/17.   |                           |           |         |     |
| EM 4                      | Erosion Control<br>Matting  | West side of site         | 8/21/2017 | Active  | No  |
| <b>Current Condition:</b> | Good Condition - Prairie Construction installed erosion control matting prior to the inspection on 8/21/17.   |                           |           |         |     |
| EM 5                      | Erosion Control<br>Matting  | NW corner of site         | 8/16/2016 | Active  | No  |
| <b>Current Condition:</b> | Good Condition - Prairie Construction installed erosion control matting prior to the inspection on 8/21/17.   |                           |           |         |     |
| EM 6                      | Erosion Control<br>Matting  | North side of site        | 7/13/2017 | Active  | No  |
| <b>Current Condition:</b> | Good Condition- Prairie Construction installed erosion control matting prior to the inspection on 11/10/18.   |                           |           |         |     |
| EM 7                      | Erosion Control<br>Matting  | North side of site        | 7/13/2017 | Active  | No  |
| <b>Current Condition:</b> | Good Condition - Prairie Construction installed the erosion control matting prior to the inspection on 12/13/17.  |                           |           |         |     |
| EM 8                      | Erosion Control<br>Matting  | East side of site         |           | Removed |     |
| <b>Current Condition:</b> | Removed - EM 8 was improperly placed onto the report. It is not present on the SWPPP.   |                           |           |         |     |
| IP 1                      | Inlet Protection  | SE corner of buildings    |           | Removed |     |
| <b>Current Condition:</b> | Removed - All areas that drain to the inlet are stabilized/paved as of 4/11/19.   |                           |           |         |     |
| IP 2                      | Inlet Protection  | SE corner of buildings    |           | Removed |     |
| <b>Current Condition:</b> | Removed - All areas that drain to the inlet are stabilized/paved as of 4/11/19.   |                           |           |         |     |
| IP 3                      | Inlet Protection  | SE corner of buildings    |           | Removed |     |
| <b>Current Condition:</b> | Removed - All areas that drain to the inlet are stabilized/paved as of 4/11/19.   |                           |           |         |     |
| IP 4                      | Inlet Protection  | South of buildings        |           | Removed |     |
| <b>Current Condition:</b> | Removed - All areas that drain to the inlet are stabilized/paved as of 4/11/19.   |                           |           |         |     |
| IP 5                      | Inlet Protection  | SW corner of<br>buildings |           | Removed |     |
| <b>Current Condition:</b> | Removed - All areas that drain to the inlet are stabilized/paved as of 4/11/19.   |                           |           |         |     |
| IP 6                      | Straw Wattle  | West of CE 1              |           | Removed |     |
| <b>Current Condition:</b> | Removed - Prairie Construction removed the straw wattle prior to the inspection on 6/2/18.  |                           |           |         |     |
| IP 7                      | Straw Wattle  | Near CE 1                 | 5/22/2018 | Active  | No  |
| <b>Current Condition:</b> | Active - Prairie Construction removed the straw wattle in the inlet. The inlet is draining properly and the area is paved as of the inspection on 8/15/18. The inspector will continue to monitor.  |                           |           |         |     |
| IP 8                      | Inlet Protection  | SE corner of site         | 8/21/2017 | Active  | Yes |
| <b>Current Condition:</b> | Fair Condition -<br>The inlet protection can be removed from the waterway due to dense vegetation.<br>Prairie Construction was informed to complete by 8/27/18. Not done as of the last inspection. Prairie Construction was reminded on 9/18/18, 11/7/18, 3/15/19. Geoff McGregor was reminded on 4/11/19  |                           |           |         |     |
| SF 1                      | Silt Fence  | All sides of site         | 4/28/2017 | Active  | Yes |
| <b>Current Condition:</b> | Fair Condition - The silt fence is down on the western perimeter that the adjacent neighbors are using as an access point. The silt fence on the south side of the site was removed due to the area being seeded and matted.<br>The silt fence needs to be cleaned out and repaired in several areas.<br>Prairie Construction was informed to complete by 3/22/19. Not done as of the last inspection. Geoff McGregor was reminded on 4/11/19 |                           |           |         |     |
| SF 2                      | Silt Fence  | East side of site         |           | Removed |     |
| <b>Current Condition:</b> | Removed - Prairie Construction removed the remaining portion of silt fence due to the area being seeded and matted prior to inspection on 8/10/18.  |                           |           |         |     |
| SF 3                      | Silt Fence  | Outfall of ST 1           | 7/13/2017 | Active  | No  |
| <b>Current Condition:</b> | Good Condition - Prairie Construction installed the silt fence check prior to the inspection on 7/13/17.  |                           |           |         |     |
| SF 4                      | Silt Fence  | Outfall of ST 2           | 7/13/2017 | Active  | No  |

|                             |  |                          |           |                     |   |
|-----------------------------|--|--------------------------|-----------|---------------------|---|
| <b>Current Condition:</b>   | <b>Good Condition - Prairie Construction installed the silt fence check prior to the inspection on 7/13/17.</b>  |                          |           |                     |   |
| SF 5                        | Silt Fence   | Outfall of ST 3          | 7/13/2017 | Active              | No  |
| <b>Current Condition:</b>   | <b>Good Condition - Prairie Construction installed the silt fence check prior to the inspection on 7/13/17.</b>  |                          |           |                     |   |
| SF 6                        | Silt Fence   | Outfall of ST 4          | 7/13/2017 | Active              | No  |
| <b>Current Condition:</b>   | <b>Good Condition - Prairie Construction installed the silt fence check prior to the inspection on 7/13/17. The silt fence was mistakenly removed from the report.</b>             |                          |           |                     |   |
| SB 1                        | Sediment Basin   | SW corner of the site    | 5/5/2017  | Active              | No  |
| <b>Current Condition:</b>   | <b>Fair Condition - 20% full- Prairie Construction installed the inlet prior to the inspection on 3/24/18.</b>   |                          |           |                     |   |
|                             | <b>1.) The cleanout mark should be painted on the riser.</b><br><b>2.) Several extra dewatering holes below the approved height need to be patched.</b>                            |                          |           |                     |   |
|                             | <b>1.) Prairie Construction and Geoff McGregor wre informed to complete by 4/18/19.</b><br><b>2.) Prairie Construction and Geoff McGregor wre informed to complete by 4/18/19.</b> |                          |           |                     |   |
| SB 2                        | Sediment Basin   | SE corner of the site    |           | Removed             |   |
| <b>Current Condition:</b>   | Removed - Due to an updated SWPPP this basin is no longer needed prior to the inspection on 6/30/17.   |                          |           |                     |   |
| ST 1                        | Sediment Trap  | NE corner of site        | 6/30/2017 | Active              | No  |
| <b>Current Condition:</b>   | Good Condition - 30% filled. Prairie Construction installed the silt trap prior to the inspection on 6/30/17.  |                          |           |                     |   |
| ST 2                        | Sediment Trap  | East corner of site      | 6/30/2017 | Active              | No  |
| <b>Current Condition:</b>   | Good Condition - 30% filled. Prairie Construction installed the silt trap prior to the inspection on 6/30/17.  |                          |           |                     |   |
| ST 3                        | Sediment Trap  | SE corner of site        | 6/30/2017 | Active              | No  |
| <b>Current Condition:</b>   | Good Condition - 30% filled. Prairie Construction installed the silt trap prior to the inspection on 6/30/17.  |                          |           |                     |   |
| ST 4                        | Sediment Trap  | SE corner of site        | 6/30/2017 | Active              | No  |
| <b>Current Condition:</b>   | <b>Good Condition - 49% filled - Prairie Construction installed the silt trap prior to the inspection on 6/30/17. The silt trap was mistakenly removed from the report.</b>        |                          |           |                     |   |
| SW 1                        | Straw Wattle   | North of Building C      |           | Removed             |   |
| <b>Current Condition:</b>   | Removed - Prairie Construction removed the wattles due to seeding and matting of the area as of the inspection on 9/25/18.   |                          |           |                     |   |
| SW 2                        | Straw Wattle   | South Side of Building C |           | Removed             |   |
| <b>Current Condition:</b>   | Removed - Prairie Construction removed the wattles due to seeding and matting of the area as of the inspection on 9/18/18.   |                          |           |                     |   |
| STR                         | Streets  | On Site                  | 4/28/2017 | Active              | Yes   |
| <b>Current Condition:</b>   | <b>Fair Condition -</b>  |                          |           |                     |   |
|                             | <b>The interior streets should be cleaned.</b>   |                          |           |                     |   |
|                             | <b>Prairie Construction was informed to complete by 3/16/19. Not done as of the last inspection. Geoff McGregor was reminded on 4/11/19</b>  |                          |           |                     |   |
| SWPPP Sign                  | SWPPP Sign   | N. 156th Street          | 6/24/2017 | Active              | No  |
| <b>Current Condition:</b>   | Good Condition - The inspector installed the SWPPP sign prior to the inspection on 9/5/17.   |                          |           |                     |   |
| <b>Inspector Signature:</b> |   |                          |           | <b>Reviewed By:</b> |  |