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E & A CONSULTING GROUP, INC.

Engineering Answers

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 Environmental Services Dept. Manager

E&A - P2019.032.000

| | | |
|-------------------------|--|-------|
| Inspector: Matt Vanicek | | Stage |
| Project Name: | Kempton Creek CSW-202004665 | 2 |
| For Week Ending: | 7/10/2021 | |
| Project Location: | North 156th Street and Bennington Road - Bennington, NE (Douglas County) | 68007 |

| | | | | |
|----------------------|-----|--|--|--|
| Grading: | 72% | | | |
| Sanitary Sewer: | 15% | | | |
| Storm Sewer: | 20% | | | |
| Paving: | 0% | | | |
| Seeding: | 75% | | | |
| Utilities: | 0% | | | |
| Overall Development: | 10% | | | |

| RAIN FALL AMOUNTS | Amount in tenths | Date inspected | Weather Conditions | Time | |
|-------------------|------------------|----------------|--------------------|----------|--------|
| | | | | | Week 1 |
| Sunday: | 0.00" | | | | |
| Monday: | 0.05" | | | | |
| Tuesday: | 0.20" | | | | |
| Wednesday: | 0.00" | | | | |
| Thursday: | 0.00" | | | | |
| Friday: | 0.00" | | | | |
| Saturday: | 0.00" | | | | |
| | | | | | Week 2 |
| Sunday: | 0.00" | | | | |
| Monday: | 0.00" | | | | |
| Tuesday: | 0.00" | 7/6/2021 | Partly Cloudy 87 | 1:30 PM | |
| Wednesday: | 1.26" | 7/7/2021 | Overcast 69 | 10:55 AM | |
| Thursday: | 0.00" | | | | |
| Friday: | 0.00" | | | | |
| Saturday: | 2.01" | 7/10/2021 | Sunny 75 | 9:15 AM | |
| | | | | | Week 3 |
| Sunday: | N/A | N/A | | | |
| Monday: | N/A | N/A | | | |
| Tuesday: | N/A | N/A | | | |
| Wednesday: | N/A | N/A | | | |
| Thursday: | N/A | N/A | | | |
| Friday: | N/A | N/A | | | |
| Saturday: | N/A | 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?

Roth began mass grading the site (8/18/20), Site is inactive due to winter conditions (12/17/20).

Which portion(s) (i.e. drainage basins) of the site do not have grading, earthwork, or ground disturbance scheduled in the next 14 days?

Roth began mass grading the site (8/18/20), Site is inactive due to winter conditions (12/17/20).

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

Existing vegetation (8/18/20). Boyer Young seeded a majority of the site (4/23/21).

Checklist Questions:

Are receiving waters adjacent to the project free of any significant signs of erosion or sediment that would be associated with the construction activity?

No

Create Corrective Action?

No, see BMPs Section.



Have disturbed areas been seeded or otherwise stabilized as required? List inactive portions of the project and if stabilization measure are adequate or needed to prevent erosion.

Yes

Create Corrective Action?

| | | | | | |
|--|---|------------------------------|-------------------------------|---------------|--------------------|
| N/A | | | | | |
| Are waste materials (concrete, construction material, hazardous, etc.) being managed properly? | | | | | |
| Yes | | | | | |
| Create Corrective Action? | | | | | |
| N/A | | | | | |
| Are construction entrances and adjacent streets being maintained adequately? | | | | | |
| No | | | | | |
| Create Corrective Action? | | | | | |
| No, See BMP Inspection | | | | | |
| Is dust associated with the construction activity adequately controlled on the site? | | | | | |
| Yes | | | | | |
| Create Corrective Action? | | | | | |
| N/A | | | | | |
| Comments: | | | | | |
| Comments: The site was inactive during the most recent inspection. | | | | | |
| Findings / Corrective Actions (Date): | | | | | |
| Findings / Corrective Actions (Date): 1.) Some maintenance is needed in the BMP section. 2.) Sediment should be cleaned up on the outside of SF 5. Boyer young was informed to complete by 3/22/21. Not done as of last inspection. Boyer Young was reminded on 3/26/21, 4/13/21, 5/11/21, 5/28/21, 7/9/21 3.) Erosion rills on the west side of the site should be backfilled and compacted to disperse water. Boyer Young was informed to complete by 7/14/21. Not done as of the last inspection. | | | | | |
| Unique Name | Type | Location | Projected Install Date | Status | Maintenance |
| CE 1 | Construction Entrance | D-2 | 8/18/2020 | Active | Yes |
| Current Condition: | Fair Condition - 40% effective - Roth Enterprises installed the construction entrance prior to the inspection on 8/18/20. Rock should be added to the entrance. Boyer Young was informed to complete by 4/16/21. Not done as of the last inspection. No response received as of the last inspection. Boyer Young was reminded on 5/11/21, 5/28/21, 7/9/21 | | | | |
| D1 | Diversion | O-15 to M-6 | 11/9/2020 | Active | No |
| Current Condition: | Good Condition - Roth installed the diversion prior to the 11/9/20 inspection. Boyer Young redefined the diversion prior to the inspection on 7/6/21. | | | | |
| D2 | Diversion | NW Corner | 3/24/2021 | Active | Yes |
| Current Condition: | Fair Condition - Roth Enterprises installed diversions 3/21/21 in the northeast and southwest corners of the site. E&A inspector will monitor during next inspection as of 3/22/21. Roth Enterprises installed a diversion in the northwest corner of the site prior to the inspection on 3/24/21. Boyer Young extended the diversion to the basin prior to the inspection on 7/10/21. 1. Diversion should be redefined on the south end of the diversion. 2. Diversion checks should be installed coming off of D 2. 1. Boyer Young was informed to complete by 7/14/21. Not done as of the last inspection. 2. Boyer Young was informed to complete by 7/14/21. Not done as of the last inspection. | | | | |
| D3 | Diversion | SW Corner | 3/24/2021 | Active | Yes |
| Current Condition: | Fair Condition - Roth Enterprises installed diversions 3/21/21 in the northeast and southwest corners of the site. E&A inspector will monitor during next inspection as of 3/22/21. Roth Enterprises installed a diversion in the southwest corner of the site prior to the inspection on 3/24/21. Diversion should be redefined where driven over in the middle of the run. Boyer Young was informed to complete by 7/17/21. | | | | |
| D4 | Diversion | SE Corner | 3/24/2021 | Active | Yes |
| Current Condition: | Fair Condition - Roth Enterprises installed diversions 3/21/21 in the northeast and southwest corners of the site. E&A inspector will monitor during next inspection as of 3/22/21. Roth Enterprises installed a diversion in the southeast corner of the site prior to the inspection on 3/24/21. The diversion should be cleaned out/redefined in multiple locations. Boyer Young was informed to complete by 5/17/21. Not done as of the last inspection. Boyer Young was reminded on 5/28/21, 7/9/21 | | | | |
| ET 1-5 | Erosion Control Terraces | E-14, E-16, E-18, H-16, H-18 | 9/22/2020 | Pending | Yes |

| | | | | | |
|---------------------------|--|------------------------------|------------|---------|-----|
| Current Condition: | <p>Pending - The remaining erosion control terraces will be installed when their respective areas are near the final grade. Roth Enterprises installed ET 4,5 prior to the inspection on 9/22/20. Roth Enterprises removed ET 4 during mass grading prior to the inspection on 10/05/20. The E&A inspector will monitor for reinstallation when area is near final grade. All farm terraces were removed for grading prior to the 10/12/20 inspection.</p> <p>All terraces should be installed when grading allows.</p> <p>Roth Enterprises was informed to complete by 10/19/20. Not done as of the last inspection. Roth Enterprises was reminded on 3/2/21, 3/26/21, 5/11/21</p> | | | | |
| ET 6-10 | Erosion Control Terraces | H-19, H-21, K-17, K-19, K-20 | 9/22/2020 | Pending | Yes |
| Current Condition: | <p>Pending - Roth Enterprises installed ET 6-10 prior to the inspection on 9/22/20. Roth Enterprises removed ET 8-10 during mass grading prior to the inspection on 10/05/20. The E&A inspector will monitor for reinstallation of the terraces when the area is near final grade. All farm terraces were removed for grading prior to the 10/12/20 inspection.</p> <p>All terraces should be installed when grading allows.</p> <p>Roth Enterprises was informed to complete by 10/19/20. Not done as of the last inspection. Roth Enterprises was reminded on 3/2/21, 3/26/21, 5/11/21</p> | | | | |
| ET 11-15 | Erosion Control Terraces | N-17, J-27, K-27, M-27, N-27 | 10/26/2020 | Active | No |
| Current Condition: | <p>Good Condition - The erosion control terraces will be installed when the area is near the final grade. The area of ET 12-15 appeared to be near final grade as of the inspection on 10/05/20. Roth installed ET 12-15 prior to the 10/26/20 inspection.</p> | | | | |
| FT 1 | Fuel Tank | F-19 | 8/18/2020 | Active | No |
| Current Condition: | <p>Good Condition - Roth Enterprises installed a fuel tank with secondary containment in their staging area near the southwest corner of the site prior to the inspection on 8/18/20. Roth installed a plug in the secondary containment prior</p> | | | | |
| MS 1 | Material Storage Area | E-5 | 10/15/2020 | Pending | No |
| Current Condition: | <p>Pending - There is currently no need for a designated material storage area on-site due to no materials needing stored,</p> | | | | |
| PB 1 | Portable Bathroom | South of SB A | 5/24/2021 | Active | No |
| Current Condition: | <p>Good Condition - Roth removed the portable toilet prior to the 12/7/20 inspection. Roth reinstalled the portable toilet south of SB A prior to the inspection on 5/24/21.</p> | | | | |
| SB A | Sediment Basin | F-3 | 9/15/2020 | Pending | Yes |
| Current Condition: | <p>Pending - The main upstream discharge area the basin is intended to capture runoff from has not yet been graded. The E&A inspector will continue to monitor and recommend the basin be installed before the main portion of the site upstream from it is graded. Major grading began in the area upstream of the basin prior to the inspection on 10/05/20. Roth dug out the basin prior to the 11/9/20 inspection.</p> <ol style="list-style-type: none"> The sediment basin should be installed per the SWPPP: Install riser. The sediment basin should be cleaned out. <p>1. Roth Enterprises was informed to complete by 10/12/20. Not done as of the last inspection. Roth Enterprises was reminded on 10/13/20, 3/2/21, 3/26/21, 5/11/21</p> <p>2. Roth Enterprises and the SID was informed to complete by 4/22/21. Not done as of the last inspection. Roth was reminded on 5/11/21</p> | | | | |
| SF 1 | Silt fence | M-5 to T-13 | 8/18/2020 | Active | Yes |
| Current Condition: | <p>Fair Condition - Roth Enterprises installed the silt fence prior to the inspection on 8/18/20. The full portion of silt fence at the east end was removed to allow grading of the future Kempton Creek Drive prior to the inspection on 10/05/20. Boyer Young cleaned out the silt fence prior to the 10/12/20 inspection, the silt fence still needs to be repaired. Boyer Young repaired the silt fence prior to the 11/23/20 inspection. Boyer young cleaned out the silt fence prior to the 4/7/21 inspection. Boyer Young cleaned out and repaired the silt fence prior to the inspection on 5/3/21.</p> <p>The silt fence should be reinstalled where it was removed for sanitary sewer work.</p> <p>Boyer Young was informed to complete by 5/17/21. Not done as of the last inspection. Boyer Young was reminded on 5/28/21, 7/9/21</p> | | | | |
| SF 2 | Silt fence | D-5 to D-11 | 9/22/2020 | Pending | Yes |
| Current Condition: | <p>Fair Condition - The silt fence is not currently necessary as the upstream area has not yet been graded. The E&A inspector will recommend installing the silt fence prior to grading of the upstream area. The area of the silt fence does not drain offsite as of the 10/12/20 inspection, the inspector will monitor for change in grade. Boyer Young installed the silt fence prior to the inspection on 3/15/21.</p> <p>Silt fence should be cleaned out in a few areas.</p> <p>Boyer Young was informed to complete by 3/22/21. Not done as of last inspection. Boyer Young was reminded on 3/26/21, 4/13/21, 5/11/21, 5/28/21, 7/9/21</p> | | | | |
| SF 3 | Silt fence | D-21 to D-25 | 9/22/2020 | Active | Yes |

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|-----------------------------|--|-------------------------------------|------------|---------------------|---|
| Current Condition: | Fair Condition - The silt fence is not currently necessary as the upstream area has not yet been graded. The E&A inspector will recommend installing the silt fence prior to grading of the upstream area. Boyer Young installed an additional portion of silt fence that extends to the southeast corner of the site prior to the inspection on 12/17/20, E&A inspector will continue to monitor. Boyer Young cleaned out the silt fence prior to the 4/7/21 inspection. | | | | |
| | <ol style="list-style-type: none"> 1. Silt should extended to the north and south. 2. Silt fence should be backfilled where undermined. 3. Silt fence should be cleaned out where full in multiple locations. <ol style="list-style-type: none"> 1. Boyer Young was informed to complete by 3/22/21. Not done as of last inspection. Boyer Young was reminded on 3/26/21, 4/13/21, 5/11/21, 5/28/21, 7/9/21 2. Boyer Young was informed to complete by 4/13/21. Not done as of the last inspection. Boyer Young was reminded on 5/11/21, 5/28/21, 7/9/21 3. Boyer Young was informed to complete by 7/17/21. | | | | |
| SF 4 | Silt fence | R-16 to P-27 | 8/18/2020 | Active | Yes |
| Current Condition: | Fair Condition - Roth Enterprises installed the silt fence prior to the inspection on 8/18/20. Boyer Young cleaned out the silt fence prior to the 11/23/20 inspection. Boyer Young cleaned and repaired the silt fence prior to the 4/7/21 inspection. Boyer Young cleaned out and repaired the silt fence prior to the inspection on 5/3/21. Boyer Young repaired and cleaned out the silt fence prior to the inspection on 7/6/21. | | | | |
| | The silt fence should be cleaned out and repaired in multiple locations. | | | | |
| | Boyer Young was informed to complete by 7/17/21. | | | | |
| SF 5 | Silt fence | E-2 to E-5 | 10/26/2020 | Active | Yes |
| Current Condition: | Fair Condition - Boyer Young installed the silt fence prior to the 10/26/20 inspection. Boyer Young cleaned out the silt fence prior to the 11/23/20 inspection. Boyer Young repaired the silt fence where torn prior to the inspection on 7/6/21. | | | | |
| | <ol style="list-style-type: none"> 1. Silt fence should be cleaned out near southern end. 2. Sediment on the west side of the fence should be cleaned up. <ol style="list-style-type: none"> 1. Boyer Young was informed to complete when conditions allow on 1/15/21. Not done as of last inspection. Boyer Young was reminded on 3/2/21, 3/17/21, 3/26/21, 4/13/21, 5/11/21, 5/28/21, 7/9/21 2. Boyer Young was informed to complete by 3/22/21. Not done as of last inspection. Boyer Young was reminded on 3/26/21, 4/13/21, 5/11/21, 5/28/21, 7/9/21 | | | | |
| WO 1 | Concrete Washout | E-5 | 11/15/2020 | Pending | No |
| Current Condition: | Pending - A concrete washout is not currently necessary due to no active paving work on-site. The E&A inspector will recommend installing a concrete washout prior to the start of paving. | | | | |
| WS 1 | Waste Storage Area | E-5 | 11/15/2020 | Pending | No |
| Current Condition: | Pending - There is currently no need for a designated waste storage area on-site due to no waste materials being generated or stored on-site; the E&A inspector will continue to monitor. | | | | |
| WT 1 | Straw Wattles | AA-10 | 10/22/2020 | Pending | Yes |
| Current Condition: | Pending - The area was graded prior to the inspection on 10/05/20. | | | | |
| | The wattles should be installed. | | | | |
| | Boyer Young was informed to complete by 10/12/20. Not done as of the last inspection. Boyer Young was reminded on 11/12/20, 1/15/21, 3/2/21, 3/17/21, 3/26/21, 4/13/21, 5/11/21, 5/28/21, 7/9/21 | | | | |
| WT 2 | Straw Wattles | AA-11 | 10/22/2020 | Pending | Yes |
| Current Condition: | Pending - The area was graded prior to the inspection on 10/05/20. | | | | |
| | The wattles should be installed. | | | | |
| | Boyer Young was informed to complete by 10/12/20. Not done as of the last inspection. Boyer Young was reminded on 11/12/20, 1/15/21, 3/2/21, 3/17/21, 3/26/21, 4/13/21, 5/11/21, 5/28/21, 7/9/21 | | | | |
| WT 3 | Straw Wattles | Z-13 | 10/22/2020 | Pending | Yes |
| Current Condition: | Pending - The area was graded prior to the inspection on 10/05/20. | | | | |
| | The wattles should be installed. | | | | |
| | Boyer Young was informed to complete by 10/12/20. Not done as of the last inspection. Boyer Young was reminded on 11/12/20, 1/15/21, 3/2/21, 3/17/21, 3/26/21, 4/13/21, 5/11/21, 5/28/21, 7/9/21 | | | | |
| STR | Streets | Bennington Road, N. 156th Street | 8/18/2020 | Active | No |
| Current Condition: | Good Condition - The streets were free of track out as of the last inspection. | | | | |
| SWPPP Sign | SWPPP Notification Sign | E-2 | 9/9/2020 | Active | No |
| Current Condition: | Good Condition - The E&A inspector installed the SWPPP sign by CE-1 during the inspection on 9/09/20. E&A inspector reinstalled the sign during the 6/7/21 inspection. | | | | |
| Inspector Signature: |  | | | Reviewed By: |  |