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E & A CONSULTING GROUP, INC.
Engineering Answers

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 Environmental Services Dept. Manager

E&A - P2017.483.002
Bill SID - P2017.483.010

| | | |
|-------------------------|---|--------------|
| Inspector: Bryce Wright | | Stage |
| Project Name: | Windsor West SAR-20190812-5114-GP1 CSW-201903993 | 1 |
| For Week Ending: | 3/19/2022 | 68136 |
| Project Location: | 180th & Giles Road (SW), Sarpy County, NE | |

| | | | | |
|----------------------|-----|--|--|--|
| Grading: | 90% | | | |
| Sanitary Sewer: | 75% | | | |
| Storm Sewer: | 75% | | | |
| Paving: | 70% | | | |
| Seeding: | 0% | | | |
| Utilities: | 0% | | | |
| Overall Development: | 7% | | | |

| RAIN FALL AMOUNTS | Amount in tenths | Date inspected | Weather Conditions | Time | |
|-------------------|------------------|----------------|--------------------|----------|---------------|
| | | | | | Week 1 |
| Sunday: | 0.00" | | | | |
| Monday: | 0.00" | | | | |
| Tuesday: | 0.00" | 3/15/2022 | Sunny 46 | 12:15 PM | |
| Wednesday: | 0.00" | | | | |
| Thursday: | 0.11" | | | | |
| Friday: | 0.66" | 3/18/2022 | Overcast 42 | 10:45 AM | |
| 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?

Rough grading began in drainage area DEV C (7/28/20). Grading began in drainage area DEV C and DEV B (8/3/20). Grading began in DEV A (10/28/20). Grading on site has ceased due to winter conditions (2/9/21). Grading resumed in all drainage areas (4/5/21). Storm and sanitary began installation (7/26/21). Paving began on site (9/21/21). Grading in the southern section began (11/30/21).

Which portion(s) (i.e. drainage basins) of the site do not have grading, earthwork, or ground disturbance scheduled in the next 14 days?
 Rough grading began in drainage area DEV C (7/28/20). Grading began in drainage area DEV C and DEV B (8/3/20). Grading began in DEV A (10/28/20). Grading on site has ceased due to winter conditions (2/9/21). Grading resumed in all drainage areas (4/5/21). Storm and sanitary began installation (7/26/21). Paving began on site (9/21/21). Grading in the southern section began (11/30/21).

What temporary or permanent stabilization measures listed in this section are being implemented?
 Existing vegetation (7/28/20). Entire site has volunteer vegetation growing (7/7/21). Seed and matting installed on slope along Meridian Street (12/28/21).

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 BMP 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.
 No
Create Corrective Action?
 No, see Findings section.

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's section

Is dust associated with the construction activity adequately controlled on the site?
Yes

Create Corrective Action?
N/A

Comments:
Comments:
Site was active for sanitary and sewer during the most recent inspection.

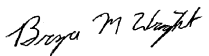

Findings / Corrective Actions (Date):
Findings / Corrective Actions (Date):

1) Some maintenance is required in the BMP section of this report.
2) Areas of the site that will be inactive for 14 days or more need to be stabilized. JC Excavation/Gene Graves were informed to complete by 3/18/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 11/17/21, 12/2/21, 2/10/22
- McCune was met on site on 7/22/21. Seeding along the creek above the outfall and seeding and matting approved to start. Seeding in the rest of the eastern half of the site awaiting approval from Caleb B. of E&A. Nebraska Hydroseeding seeded and matted prior to the inspection on 12/28/21 along Meridian St. complete a portion of the seed and mat as of 11/24/21. Nebraska Hydroseeding seeded and matted prior to the inspection on 12/28/21 along Meridian St.
3) SF-1 for SAR-20200507-5452-GP2 (Giles Road/180th Street Improvements) was installed along Giles Road on the west end of the site prior to the 8/9/21 inspection. The SF will not be included in this report and is part of the road improvement project. The SF has been marked on the SWPPP map to indicate its location within the temporary road project. Also applies to silt fence east of river on north side of Giles Rd.
4) SF 4 was unable to be inspected due to **bridge construction** during the most recent inspection.

| Unique Name | Type | Location | Projected Install Date | Status | Maintenance |
|--------------------|---|--------------------|------------------------|---------|-------------|
| CE 1 | Construction Entrance | Giles Road (BB3) | 8/14/2020 | Pending | Yes |
| Current Condition: | Pending - Construction entrance will be installed as-needed when work begins. A stabilized construction entrance should be installed. JC Excavation was informed to complete by 8/10/20. Not done as of the last inspection. JC Excavation was reminded on 8/19/20, 11/6/20, 1/13/21, 3/5/21, 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| CE 2 | Construction Entrance | 180th Street (DD9) | 8/14/2020 | Pending | Yes |
| Current Condition: | Pending - Construction entrance will be installed as-needed when work begins. A stabilized construction entrance should be installed. JC Excavation was informed to complete by 8/10/20. Not done as of the last inspection. JC Excavation was reminded on 8/19/20, 11/6/20, 1/13/21, 3/5/21, 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| CE 3 | Construction Entrance | L3 | | Removed | |
| Current Condition: | Removed - Hawkins Construction removed the construction entrance, graded the area, and installed their own silt fence prior to the inspection on 8/17/21. Construction entrance will not be recommended to be reinstalled until Hawkins work is complete under SAR-20200507-5452-GP2 | | | | |
| D 1 | Diversion | N17-E17 | 8/14/2020 | Pending | Yes |
| Current Condition: | Pending - The diversion should be installed when work allows. JC Excavation/Gene Graves were informed to complete by 3/11/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| D 2 | Diversion | N17-U17 | 8/14/2020 | Pending | Yes |
| Current Condition: | Pending - The diversion should be installed when work allows. JC Excavation/Gene Graves were informed to complete by 3/11/21 when work allows. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| D 3 | Diversion | West of SB A | 1/13/2021 | Pending | Yes |
| Current Condition: | Pending - JC installed the diversion prior to the 1/13/21 inspection. JC partially graded out the diversion prior to the 4/5/21 inspection, the inspector will monitor as the diversion is redefined. JC Excavation/Gene Graves reinstalled the diversion prior to the inspection on 4/20/21. The diversion should be reinstalled when sanitary work allows. JC Excavation/Gene Graves was informed to complete by 7/1/21. Not done as of the last inspection. JC Excavation/Gene Graves was reminded on 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| D 4 | Diversion | East of SB A | 1/13/2021 | Active | Yes |

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|--------------------|---|---------------|------------|---------|-----|
| Current Condition: | Fair Condition - JC installed the diversion prior to the 1/13/21 inspection. JC repaired/redefined the diversion prior to the 4/5/21 inspection. The diversion should be cleaned out and redefined. JC Excavation/Gene Graves was informed to complete by 7/19/21. Not done as of the last inspection. JC Excavation was reminded on 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| D 5 | Diversion | West of SB B | 12/28/2020 | Active | No |
| Current Condition: | Good Condition - JC installed the diversion prior to the 12/28/20 inspection. JC repaired/redefined the diversion prior to the 4/5/21 inspection. | | | | |
| D 6 | Diversion | SW of SB C | | Removed | |
| Current Condition: | Removed - D6 has been removed from the SWPPP as of the 10/6/2020 revision. | | | | |
| D 7 | Diversion | S of SB A | 1/20/2021 | Pending | Yes |
| Current Condition: | Pending - The diversion should be installed. JC was informed to complete by 1/20/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/5/21, 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| D 8 | Diversion | M25-N17 | 1/20/2021 | Pending | Yes |
| Current Condition: | Pending - The diversion should be installed. JC was informed to complete by 1/20/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/5/21, 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| D 9 | Diversion | X15-SB B | 8/14/2020 | Pending | Yes |
| Current Condition: | Pending - The diversion should be installed. JC Excavation was informed to complete by 8/10/20. Not done as of the last inspection. JC Excavation was reminded on 8/19/20, 11/6/20, 1/13/21, 3/5/21, 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| D 10 | Diversion | AA10-AA9 | | Removed | |
| Current Condition: | Removed - D10 has been removed from the SWPPP as of the 10/6/2020 revision. | | | | |
| D 11 | Diversion | S of SB C | | Removed | |
| Current Condition: | Removed - D11 has been removed from the SWPPP as of the 10/6/2020 revision. | | | | |
| D 12 | Diversion | E of SB B | 12/28/2020 | Active | No |
| Current Condition: | Good Condition - JC installed the diversion prior to the 12/28/20 inspection. | | | | |
| ET 1 | Erosion Control Terrace | See SWPPP Map | 8/14/2020 | Pending | Yes |
| Current Condition: | Pending - The terrace should be installed when work allows. JC Excavation/Gene Graves were informed to complete by 3/11/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| ET 2 | Erosion Control Terrace | See SWPPP Map | 8/14/2020 | Pending | Yes |
| Current Condition: | Pending - The terrace should be installed when work allows. JC Excavation/Gene Graves were informed to complete by 3/11/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| ET 3 | Erosion Control Terrace | See SWPPP Map | 8/14/2020 | Pending | Yes |
| Current Condition: | Pending - The terrace should be installed when work allows. JC Excavation/Gene Graves were informed to complete by 3/11/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| EM 1 | Erosion Control Matting | See SWPPP Map | 3/5/2021 | Pending | No |
| Current Condition: | Pending - The erosion control matting will be installed within the seeding window when the associated area reaches final grade. | | | | |
| EM 2 | Erosion Control Matting | See SWPPP Map | 3/5/2021 | Pending | No |
| Current Condition: | Pending - The erosion control matting will be installed within the seeding window when the associated area reaches final grade. | | | | |
| EM 3 | Erosion Control Matting | See SWPPP Map | 3/5/2021 | Pending | No |
| Current Condition: | Pending - The erosion control matting will be installed within the seeding window when the associated area reaches final grade. | | | | |
| EM 4 | Erosion Control Matting | See SWPPP Map | 3/5/2021 | Pending | No |
| Current Condition: | Pending - The erosion control matting will be installed within the seeding window when the associated area reaches final grade. | | | | |
| EM 5 | Erosion Control Matting | See SWPPP Map | 3/5/2021 | Pending | No |
| Current Condition: | Pending - The erosion control matting will be installed within the seeding window when the associated area reaches final grade. | | | | |
| EM 6 | Erosion Control Matting | See SWPPP Map | 3/5/2021 | Pending | No |

| | | | | | |
|--------------------|---|-----------------------------|------------|---------|-----|
| Current Condition: | Pending - The erosion control matting will be installed within the seeding window when the associated area reaches final grade. | | | | |
| EM 7 | Erosion Control Matting | See SWPPP Map | 3/5/2021 | Pending | No |
| Current Condition: | Pending - The erosion control matting will be installed within the seeding window when the associated area reaches final grade. | | | | |
| FT X | Fuel Tank | On Site | 4/5/2021 | Pending | No |
| Current Condition: | Pending - Fuel tank was brought on-site from Giles Pointe on 4/5/21. JC Excavation removed the fuel tank prior to the inspection on 7/7/21. MBC brought a double walled fuel tank on site prior to the inspection on 9/15/21. MBC removed the double walled fuel tank prior to the inspection on 11/30/21. JC Excavation installed a fuel tank on site prior to the inspection on 11/30/21. JC Excavation removed the fuel tank prior to the inspection on 1/4/22. | | | | |
| FT Y | Fuel Tank | On Site | | Removed | |
| Current Condition: | Removed - The double walled fuel tank was removed from the site prior to the inspection on 11/30/21. | | | | |
| MS 1 | Material Storage | On Site | 8/14/2020 | Active | No |
| Current Condition: | Good condition - Sewer pipes being stored on site. | | | | |
| PB X | Portable Bathroom | On Site | 6/8/2021 | Pending | No |
| Current Condition: | Pending - JC Excavation brought a portable toilet on site prior to the 6/8/21 inspection. JC Excavation removed the portable toilet prior to the inspection on 9/8/21. MBC brought a portable toilet on site and secured it prior to the inspection on 10/13/21. MBC removed the portable toilet from the site prior to the inspection on 10/26/21. | | | | |
| SB A | Sediment Basin | M10 | 1/20/2021 | Pending | Yes |
| Current Condition: | <p>Pending - JC excavated the basin and installed the baffle prior to the 1/13/21 inspection. JC Excavation ceased dewatering prior to the inspection on 9/8/21.</p> <p>The riser needs to be installed.</p> <p>JC was informed to complete by 1/20/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/5/21, 3/16/21, 3/26/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22</p> | | | | |
| SB B | Sediment Basin | V7 | 10/28/2020 | Active | Yes |
| Current Condition: | <p>Fair Condition - 55% Filled - JC installed the basin prior to the 10/28/20 inspection. The E&A inspector painted the cleanout mark during the 11/4/20 inspection. JC Excavation is doing work on the riser during the 7/20/21 inspection. No recommendations will be made at this time and the E&A inspector will continue to monitor. JC backfilled around the riser prior to the 8/2/21 inspection. JC repaired the erosion around the riser prior to the inspection on 9/15/21.</p> <p>1.) The baffle needs to be installed per the SWPPP. 2.) The basin is more than 50% full and needs to be cleaned out.</p> <p>1.) JC Excavation/Gene Graves were informed to complete by 3/22/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/26/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 2.) E&A inspector is in the process of lining up a contractor to complete maintenance with the SID on 7/20/21. E&A inspector will continue to monitor and update. CDS Enterprise was contracted to clean out the basin as of 8/4/21. CDS Enterprise was reminded on 2/16/22, 3/17/22</p> | | | | |
| SB C | Sediment Basin | Z4 | 10/28/2020 | Active | Yes |
| Current Condition: | <p>Fair Condition - 55% Filled - JC installed the basin prior to the 10/28/20 inspection. The E&A inspector painted the cleanout mark during the 11/4/20 inspection.</p> <p>Basin is more than 50% full and needs to be cleaned out.</p> <p>E&A inspector is in the process of lining up a contractor to complete maintenance with the SID on 7/20/21. E&A inspector will continue to monitor and update. CDS Enterprise was contracted to clean out the basin as of 8/4/21. CDS Enterprise was reminded on 2/16/22, 3/17/22</p> | | | | |
| SF 1 | Silt fence | N side of Site | 10/20/2020 | Active | Yes |
| Current Condition: | <p>Fair Condition - JC installed the silt fence prior to the 10/20/20 inspection. JC Excavation took down a small section north of SB B to install storm. E&A inspector will continue to monitor.</p> <p>1.) The remaining silt fence should be installed due to grading in the area. 2.) Additional silt fence or a berm should be built closer to the creek. 3.) The existing silt fence should be extended to Giles Road to prevent washout around the silt fence. 4.) Silt fence that was removed for storm should be reinstalled when construction allows.</p> <p>1.) JC Excavation was informed to complete by 11/11/20. Not done as of the last inspection. JC Excavation/Gene Graves was reminded on 1/13/21, 3/5/21, 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 2.) JC Excavation/Gene Graves were informed to complete by 3/11/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 3.) JC Excavation/Gene Graves were informed to complete by 3/11/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 4.) JC Excavation/Gene Grave was informed to complete by 6/15/21. Not done as of the last inspection. JC Excavation/Gene Graves was reminded on 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22</p> | | | | |
| SF 2 | Silt fence | West End of Meridian Street | | Removed | |
| Current Condition: | Removed - Crops are out of the ground as of the 10/20/20 inspection, silt fence below grading activities will be included under SF 1. | | | | |
| SF 3 | Silt fence | N of Giles Road | 10/20/2020 | Active | Yes |

| | | | | | |
|---------------------------------|--|-------------------------|-----------|--------------|---|
| Current Condition: | Fair Condition - JC installed the silt fence prior to the 10/20/20 inspection. Hawkins Construction removed a portion of this silt fence, graded the area, and installed their own silt fence prior to the inspection on 8/17/21. E&A inspector will continue to monitor. 1.) An additional run of silt fence should be installed behind the existing silt fence. 2.) The silt fence needs to be cleaned out and fugitive sediment needs to be cleaned up. 1.) JC Excavation/Gene Graves were informed to complete by 3/11/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 3/16/21, 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 2.) JC Excavation/Gene Graves were informed to complete by 3/22/21. Not done as of the last inspection. JC Excavation/Gene Graves were reminded on 4/16/21, 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 | | | | |
| SF 4 | Silt fence | NE Corner Across RR | 1/28/2021 | Active | Yes |
| Current Condition: | Fair Condition - Dave Doll installed some of the silt fence prior to the 1/28/2021 inspection. The undermined portion of the silt fence was backfilled prior to the 3/31/21 inspection. West end of drainage is fully vegetated so silt fence is no longer recommended on 6/8/21. E&A inspector will continue to monitor. Hawkins Construction removed the northern run of silt fence, graded the area, and installed their own silt fence prior to the inspection on 8/17/21. E&A inspector will continue to monitor. 1.) Silt fence needs to be cleaned out where full south of entrance. 2.) Silt fence needs to be extended south and along the west end around dirt piles. 1.) JC Excavation/Gene Graves was informed to complete by 4/22/21. Not done as of last inspection. Reminder sent on 5/20/21, 6/10/21, 6/25/21, 7/17/21, 8/19/21, 9/2/21, 10/15/21, 11/17/21, 12/2/21, 2/10/22 2.) JC Excavation/Gene Graves was informed to complete by 2/15/22. Not done as of the last inspection. | | | | |
| STR | Streets | Giles Road/180th Street | 7/28/2020 | Active | No |
| Current Condition: | Good Condition - No major signs of track off. | | | | |
| SWPPP Sign | Misc./Other | Giles Road | 8/10/2020 | Active | No |
| Current Condition: | Good Condition - E&A inspector installed the SWPPP sign at Y3 during the 8/10/20 inspection. E&A inspector reinstalled the SWPPP sign during the inspection on 2/22/22. | | | | |
| WO 1 | Concrete Washout | On Site | 3/5/2021 | Pending | No |
| Current Condition: | Pending - A concrete washout will be installed when paving begins on site. | | | | |
| WS 1 | Waste Storage | On Site | 3/5/2021 | Pending | No |
| Current Condition: | Pending - Waste will be contained on site and in proper containment vessels. | | | | |
| Certification Statement: | "I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fines and imprisonment for knowing violations." | | | | |
| Inspector Signature: |  | | | Reviewed By: |  |