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E & A CONSULTING GROUP, INC.

Engineering Answers

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

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

Inspector: Bryce Wright		Stage
Project Name:	Windsor West GRE-20190812-5114-GP1 CSW-201903993	1
For Week Ending:	5/6/2023	68136
Project Location:	180th & Giles Road (SW), Sarpy County, NE	

Grading:	90%			
Sanitary Sewer:	75%			
Storm Sewer:	75%			
Paving:	70%			
Seeding:	75%			
Utilities:	60%			
Overall Development:	30%			

RAIN FALL AMOUNTS	Amount in tenths	Date inspected	Weather Conditions	Time	Storm event time
					Week 1
Sunday:	0.00"				
Monday:	0.00"				
Tuesday:	0.00"				
Wednesday:	0.00"	5/3/2023	Sunny 66	2:00 PM	
Thursday:	0.00"				
Friday:	0.03"				
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). Grading in southern section resumed (06/01/22). Electric installation began (2/22/23). All grading on site ceased (3/8/23). Sidewalk paving on all interior streets (3/15/23).

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). Grading in southern section resumed (06/01/22). Electric installation began (2/22/23). All grading on site ceased (3/8/23). Sidewalk paving on all interior streets (3/15/23).

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). Entire site was beginning to be seeded (4/6/22). Seed and mat around all installed sidewalks on site (3/29/23).

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 utility installation during the current inspection.

Findings / Corrective Actions (Date):
Findings / Corrective Actions (Date):
 1) Some maintenance is required in the BMP section of this report.
 2) 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 and the fuel tank located near CE 1. The fuel tank was removed prior to the inspection on 9/19/22. Silt fence checks were installed as part of the road project along Giles Rd. prior to the inspection on 9/19/22.
 3) NDEE site inspection was completed on 4/26/23. Below are the findings in the report.
 - Silt fence needs repair. Maintenance was sent to Gene Graves and is listed in the BMP section.
 - All curb inlets need inlet protection. The SID was informed to complete by 5/3/23. **Not done as of the last inspection.**
 - All inactive areas of the site should be seeded. Gene Graves was informed to complete by 5/3/23. **Not done as of the last inspection.**
 - Trash and concrete waste from the Giles Road project should be cleaned up. Hawkins was informed to complete by 5/3/23. **Not done as of the last inspection.**
 - SWPPP sign should be moved to an entrance. Sign will be moved once all road work is done by the Giles road project.

Unique Name	Type	Location	Projected Install Date	Status	Maintenance
CE 1	Construction Entrance	Giles Road (BB3)		Removed	
Current Condition:	Removed - Hawkins Construction paved the Construction entrance prior to the inspection on 5/3/23.				
CE 2	Construction Entrance	180th Street (DD9)		Removed	
Current Condition:	Removed - All entrances are paved on the east side of the site as of 5/18/22.				
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	Active	No
Current Condition:	Good Condition - Gene Graves installed the diversion prior to the 7/18/22 inspection.				
D 2	Diversion	N17-U17	8/14/2020	Active	No
Current Condition:	Good Condition - Gene Graves installed the diversion prior to the 7/13/22 inspection.				
D 3	Diversion	West of SB A	1/13/2021	Active	No
Current Condition:	Good Condition - 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. Gene Graves reinstalled the diversion prior to the inspection on 10/13/22.				
D 4	Diversion	East of SB A	10/13/2022	Active	No
Current Condition:	Good Condition - Gene Graves reinstalled the diversion prior to the inspection on 10/13/22. An unknown contractor removed the diversion prior to the inspection on 11/22/22. Gene Graves reinstalled the diversion prior to the inspection on 4/5/23.				
D 5	Diversion	West of SB B	10/13/2022	Active	No
Current Condition:	Good Condition - Gene Graves reinstalled the diversion prior to the inspection on 10/13/22. An unknown contractor removed the diversion prior to the inspection on 11/22/22. Gene Graves reinstalled the diversion prior to the inspection on 4/5/23.				
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		Removed	
Current Condition:	Removed - Due to paving and the site being vegetated the diversion is no longer necessary as of the 7/26/22 inspection.				
D 8	Diversion	M25-N17	1/20/2021	Active	No
Current Condition:	Good Condition - JC installed the diversion prior to the 7/26/22 inspection.				
D 9	Diversion	X15-SB B		Removed	
Current Condition:	Removed - Due to paving and the site being vegetated the diversion is no longer necessary as of the 7/26/22 inspection.				
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		Removed	
Current Condition:	Removed - Gene Graves removed the diversion for paving prior to the 7/26/22 inspection.				
ET 1	Erosion Control Terrace	See SWPPP Map		Removed	
Current Condition:	Removed - Due to paving the terrace is no longer necessary as of 5/18/22.				
ET 2	Erosion Control Terrace	See SWPPP Map		Removed	
Current Condition:	Removed - Due to paving the terrace is no longer necessary as of 5/18/22.				

ET 3	Erosion Control Terrace	See SWPPP Map	8/14/2020	Active	No
Current Condition:	Good Condition - JC installed the terrace prior to the 7/26/22 inspection.				
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		Removed	
Current Condition:	Removed - Cedar Construction removed the fuel tank from site prior to the inspection on 8/10/22.				
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	1/25/2023	Active	No
Current Condition:	Good Condition - 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. Cedar Construction installed and secured a portable toilet on site prior to the inspection on 6/29/22. Cedar Construction stood up and secured the portable toilet prior to the 7/13/22 inspection. Cedar Construction removed the portable toilet from the site prior to the inspection on 9/19/22. Nelson Construction installed and secured a portable toilet on site prior to the inspection on 1/25/23.				
SB A	Sediment Basin	M10	1/20/2021	Active	Yes
Current Condition:	<p>Fair Condition - 50% filled - 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. Kersten Construction was in the process of installing the riser during the inspection on 5/18/22. Kersten Construction installed the riser prior to the inspection on 6/1/22. Hausman cleaned out a portion of the basin prior to the inspection on 7/26/22. E&A inspector painted the cleanout mark during the 8/10/22 inspection.</p> <p>The 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 6/1/22. Not done as of the last inspection.</p>				
SB B	Sediment Basin	V7	10/28/2020	Active	Yes
Current Condition:	<p>Fair Condition - 10% 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. CDS Enterprise began cleaning out the basin during the inspection on 4/6/22. CDS Enterprise completed cleanout of the basin prior to the inspection on 6/29/22. E&A inspector repainted the cleanout mark on the riser during the 8/10/22 inspection.</p> <p>The baffle needs to be installed per the SWPPP.</p> <p>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, 3/31/22, 6/7/22, 12/1/22, 1/4/23 (CIR #18252)</p>				
SB C	Sediment Basin	Z4	10/28/2020	Active	No
Current Condition:	Good Condition - 30% 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. CDS Enterprise began cleaning out the basin during the inspection on 4/6/22. CDS Enterprise was dewatering the basin into silt fence during the inspection on 5/10/22. CDS completed cleanout of the basin prior to the inspection on 6/22/22.				
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. Great Plains installed a berm along the creek prior to the inspection on 4/19/22. Great Plains reinstalled, repaired, and extended the silt fence up to SB B prior to the inspection on 4/19/22. Gene Graves extended the silt fence from SB B to SB A prior to the 7/13/22 inspection. An unknown contractor removed a portion of the silt fence prior to the inspection on 11/22/22. Gene Graves reinstalled and repaired the silt fence prior to the inspection on 4/5/23.</p> <p>Silt fence should be extended along the west edge of the site.</p> <p>Gene Graves was informed to complete by 5/3/23. Not done as of the last inspection.</p>				
SF 2	Silt fence	West End of Meridian Street		Removed	
Current Condition:	<p>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.</p>				
SF 3	Silt fence	N of Giles Road	10/20/2020	Active	No
Current Condition:	<p>Good 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. Great Plains repaired the entire run of silt fence prior to the inspection on 4/19/22.</p>				
SF 4	Silt fence	NE Corner Across RR	1/28/2021	Active	No
Current Condition:	<p>Good 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. 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. Gene Graves cleaned out the silt fence and extended the silt fence around the west end of the dirt piles prior to the inspection on 4/26/22.</p>				
SF 5	Silt fence	Interior streets	6/13/2022	Active	Yes
Current Condition:	<p>Fair Condition - Gene Graves installed silt fence along Meridian Street to the 7/13/22 inspection. Gene Graves installed silt fence along all interior street corners prior to the inspection on 7/18/22. Gene Graves reinstalled multiple sections of silt fence along Portal street that were removed for utility installation prior to the inspection on 9/28/22. Gene Graves removed multiple sections of silt fence prior to the inspection on 11/22/22. Reinstallation will not be recommended at this time. E&A inspector will continue to monitor. Gene Graves repaired the silt fence prior to the inspection on 4/5/23.</p> <p>Interior street silt fence should be reinstalled and repaired once site is overseeded.</p> <p>Gene Graves was informed to complete by 5/3/23. Not done as of the last inspection.</p>				
STR	Streets	Giles Road/180th Street	7/28/2020	Active	No
Current Condition:	<p>Good Condition - No major signs of track off. CDS Enterprise cleaned the streets around SB B and C prior to the inspection on 6/29/22. Street cleaning was in progress by OPPD during the inspection on 3/1/23. Gene Graves Development cleaned the street prior to the inspection on 5/3/23.</p>				
SWPPP Sign	Misc./Other	S 148th Ave & Meridian St.	8/10/2020	Active	No
Current Condition:	<p>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. E&A inspector reinstalled the SWPPP sign at S 148th Ave and Meridian St. during the inspection on 10/19/22. E&A inspector reinstalled the SWPPP sign during the inspection on 11/30/22.</p>				
WO 1	Concrete Washout	On Site	3/5/2021	Pending	No
Current Condition:	<p>Pending - A concrete washout will be installed when paving begins on site.</p>				
WS 1	Waste Storage	On Site	3/5/2021	Pending	No
Current Condition:	<p>Pending - Waste will be contained on site and in proper containment vessels.</p>				
Certification Statement:	<p>"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."</p>				
Inspector Signature:				Reviewed By:	
				